Canada . . .
A World Leader in Environmental Products and Services

Canada

91-02268/

Environmental Products and Services for World Markets

This publication is designed to acquaint buyers with Canadian suppliers of environmental products and services. The directory is not intended to be a definitive listing, although every effort has been made to include most Canadian suppliers. The product and service information contained in this guide was provided in response to a questionnaire sent to all known companies active in the environmental sector.

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Cette publication existe également en français.

How to Use This Directory

The search for environmental products and services can often be a time-consuming task. However, this directory has been especially designed to allow the reader to identify easily those companies that are of interest. The directory has been indexed in three ways:

Alphabetical listing of companies.

This list is provided for quick reference to find out whether a particular company is profiled in the directory.

Company profiles.

This section includes the company information in alphabetical order by company name—corporate/products/services profiles, address and the company official to contact.

Product and service categories cross-index.

This section identifies all the product and service reference categories and lists the companies that manufacture products and/or provide services within each of the categories.

Note: *Leading articles (The/La/Les) have been ignored in the alphabetical sequence of companies.*

For Further Information

For further information about the companies, products and services profiled in this directory, please feel free to:

- contact the company directly;
- contact the Canadian Trade Commissioner at the nearest Canadian embassy or consulate;
- contact an International Trade Centre (listed below); or
- write to one of the following:

U.S. Trade, Tourism and Investment Development Bureau
External Affairs and International Trade Canada
125 Sussex Drive
Ottawa, Ontario
Canada K1A 0G2

Environmental Industries Division
Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario
Canada K1A 0H5

International Trade Centres

Newfoundland and Labrador
International Trade Centre
P.O. Box 8950
90 O'Leary Avenue
St. John's, Newfoundland
Canada A1B 3R9
Tel: (709) 772-5511
Fax: (709) 772-2373
Telex: 016-4749

Prince Edward Island
International Trade Centre
P.O. Box 1115
134 Kent Street, Suite 400
Charlottetown, Prince Edward Island
Canada C1A 7M8
Tel: (902) 566-7400
Fax: (902) 566-7450
Telex: 014-44129

Nova Scotia
International Trade Centre
P.O. Box 940, Station M
1496 Lower Water Street
Halifax, Nova Scotia
Canada B3J 2V9
Tel: (902) 426-7540
Fax: (902) 426-2624
Telex: 019-22525

New Brunswick
International Trade Centre
P.O. Box 1210, Assumption Place
770 Main Street
Moncton, New Brunswick
Canada E1C 8P9
Tel: (506) 857-6452
Fax: (506) 857-6429
Telex: 014-2200

Quebec
International Trade Centre
P.O. Box 247
800 Victoria Square, Room 3800
Montreal, Quebec
Canada H4Z 1E8
Tel: (514) 283-8185
Fax: (514) 283-3302
Telex: 055-60768

Ontario
International Trade Centre
4th Floor, Dominion Public Building
1 Front Street West
Toronto, Ontario
Canada M5J 1A4
Tel: (416) 973-5053
Fax: (416) 973-8161
Telex: 065-24378

Manitoba
International Trade Centre
P.O. Box 981
330 Portage Avenue, 9th Floor
Winnipeg, Manitoba
Canada R3C 2V2
Tel: (204) 983-8036
Fax: (204) 983-2187
Telex: 07-57624

Saskatchewan
International Trade Centre
105 - 21st Street East, 6th Floor
Saskatoon, Saskatchewan
Canada S7K 0B3
Tel: (306) 975-5925
Fax: (306) 975-5334
Telex: 074-2742

Alberta
International Trade Centre
9700 Jasper Avenue, Suite 540
Edmonton, Alberta
Canada T5J 4C3
Tel: (403) 495-2944
Fax: (403) 495-4507
Telex: 037-2762

British Columbia
International Trade Centre
P.O. Box 11610
900 - 650 West Georgia Street
Vancouver, British Columbia
Canada V6B 5H8
Tel: (604) 666-1444
Fax: (604) 666-8330
Telex: 04-51191

Introduction

In Canada, a land endowed with abundant natural resources, the development and protection of the environment is a key priority of government and industry. Canadians have worked hard to transform the promise of their land into a prosperous reality. In doing so, Canadian expertise in the area of environmental products and consulting engineering services has developed to rival the best in the world.

Canada has taken steps to protect the environment and has developed conservation guidelines, environmental protection technology and equipment that are among the most advanced anywhere. Canada is ready to share this wealth of knowledge and expertise with other countries because the environment is a mutual concern.

The success Canadians have achieved in the field of environmental products is reflected in the extensive range of products presented in this directory. Specific areas where Canada is acknowledged as a strong equipment supplier include high-efficiency anaerobic industrial wastewater treatment systems, reverse osmosis and ultrafiltration, ozone and ultraviolet sterilization equipment, and computerized pollution control instrumentation. These sophisticated products are offered by Canada's innovative, internationally oriented environmental products industry.

Consulting engineers are independent professionals who offer specialized knowledge and experience to governments and industry. In the environmental industry, consulting engineering centres around the provision of professional services involving studies and surveys, water management, environmental impact assessment, environmental hearings, laboratory services, computer services, and commissioning and operating plants and systems.

Canadian consulting engineers continue to demonstrate a high level of competence and quality of performance. Canadian engineering is recognized internationally in specialty fields of water and wastewater, with increasing strengths in solid and toxic waste management.

Canadian consultants have a strong capability in urban planning and the urban utilities fields. During the past 25 years, billions of dollars have been spent on municipal and industrial water pollution control. The Canadian experience in this field has created a demand for Canadian consulting services in many countries.

Examples of projects include assessing the effects of hazardous waste as a result of industrial discharge and the recovery of precious metals from mining systems in the U.S.; wastewater disposal plans in Algeria; design engineering of water treatment plants in Iraq; a waste plan for traffic, transportation, water supply, sewage, irrigation and drainage in Saudi Arabia; water resource management studies in Jamaica; and a water supply project for the Upper Region of Ghana.

In meeting the most challenging demands of the Canadian environmental industry, Canada has gained the expertise to provide the range of products and services outlined in this directory.

Alphabetical Listing of Companies

3-L Filters Limited
457575 Ontario Ltd.
671135 Ontario Limited

A.J. Poetker & Associates Ltd.
ABBA Parts Inc.
ABCO Plastics Limited
Acier Fabrex Inc.
Acres International Limited
ADI International Inc.
Ajax Material Handling Limited
Alan A. Smith, Inc.
Alcoa International Canada Ltd.
Alconsult International Ltd.
Amenatech Inc.
Analygas Systems Ltd.
ARJAY Engineering Ltd.
Arlat Inc.
(The) Armstrong Monitoring Corporation
Array Systems Computing Inc.
(The) Arthur S. Leitch Company Limited
ASW Computer Systems Ltd.
Atlantic Industries Ltd.
Atomic Energy of Canada Limited
Automatic Compactors Limited
Aviation Planning Services Ltd.

Barringer Research Limited
BCA Industrial Controls Limited
Beak Consultants Limited
Belfab Inc.
Bercan Environmental Resources Inc.
Bibby-Ste-Croix Foundries Inc.
Bigelow-Liptak of Canada Limited
Bio-Char Inc.
BLO-AER International Inc.
Boundary Layer Wind Tunnel Laboratory
Bow Valley Resource Services Ltd.
Brown Strachan Associates

C-E Canada Power Systems Inc.
C.M.S. Rotordisk Inc.
(The) Cambrian Engineering Company Limited
Canadian Cabinets Company Ltd.
Canco Filter Inc.
Canpolar Inc.
Canron Inc.
Cansult Group Limited
Cantech Environmental Systems Inc.
CanTest Ltd.
Capital Disposal Equipment Inc.
Carter Day Industries (Canada) Ltd.
CBR International Biotechnologies Corp
Chem-Security Ltd.
Chemetics International Company
Chemvac Inc.
Circul-Aire Inc.
CML Northern Blower Inc.
Comcor Waste Systems Ltd.
Concord Scientific Corporation
Conspec Controls Ltd.
(La) Corporation Mabarex Inc.
Crane Canada Inc.
CSSA Environmental Consultants Ltd.
Cusco Fabricators Limited
Custom Equipment International (CEI) Inc.

Daigle Consultants—Combustion Inc.
Deep Shaft Technology Inc.
Delta Catalytic Corporation
Dempster Systems Ltd.
DESOM Engineered Systems Limited
Dessau International Ltd.
DF Dickins Associates Ltd.
Dianco Steel Ltd.
Dipix Technologies Inc.
Dresser Canada, Inc.
Dynapro Systems Inc.

E.V.S. Consultants Ltd.
Eaglebrook Environmental Corporation
EBFLO Industries Inc.
Eco-Tec Limited
ECOLO Odor Control Systems Inc.
ECS—Power Systems Inc.
Emery International Developments Limited
Endur Systems Inc.
Enervac Corporation
Engineering Dynamics Ltd.
Enpoco Ltd.
Envirodata Ltd.
Environomics Inc.
Equifab Inc.
Equipements Renovation Aqua Inc.
Erectoweld Co. Ltd.
Exploranium G.S. Limited

Farr Inc.
Felco Industries Ltd.
Filtration Textiles Inc.
Fonderie Grand'Mère Ltée

G.E.T. Industries Inc.
Gartner Lee Limited
Geophysics GPR International Inc.
GeoVision Corporation
Giffels Associates Limited
Glegg Water Conditioning, Inc.
Golder Associates Ltd.
Gore & Storrie Limited
Gregory Geoscience Limited
Guildline Instruments Ltd.

H. Fontaine Ltd.
H.A. Simons Ltd.
H.H. Angus & Associates Ltd.
Hamilton Thermal Specialties Ltd.
Hardy BBT Limited
Hatch Associates Ltd.
Hatfield Consultants Ltd.
Henderson, Barwick Inc.
Hevmet Recovery Ltd.
Hi-Point Industries Ltd.
Howe International Limited
Hurum Marine Inc.

I.D. Engineering Canada Inc.
ICL Engineering Ltd
Industrial Filter Fabrics Ltd.
Industrial Measurements Ltd.
(Les) Industries Fournier Inc.
(Les) Industries Regenair Inc.
Innovac Inc.
INTERA Technologies Ltd.

J.D. Koppernaes Engineering Ltd.
J.P. Environmental Products Inc.
J.R. Cousin Consultants Ltd.
Jacques, Whitford Group Limited
John Meunier Inc.
Joy Technologies Canada Inc.

Keep Rite Inc.
Kenting Earth Sciences International Corp.
Kilborn Limited
Knopafex Ltd.
Kraemer Tool and Manufacturing Co. Ltd.

L.H. Schwindt & Co. Limited
Labrie Equipment Ltd.
Lambert Somec Inc.
Lavalin International Inc.
Lisle-Metrix Ltd.

MacDonald Dettwiler and Associates Ltd.
Magnus Chemicals Limited
Markland Specialty Engineering Ltd.
Marsh Engineering Limited
Marshall, Macklin, Monaghan Limited
(The) McElhanney Group Ltd.
McNeely Engineering Limited

MDS Health Group Ltd.
MET Engineering Inc.
Metacor Steel Products Ltd.
Monenco Consultants Limited
Morris International Trading Ltd.
Morrison Hershfield Limited
Morrow Recovery Systems Inc.

Norecol Environmental
  Consultants Ltd.
Nortech Surveys (Canada) Inc.
North/South Consultants Inc.
Novacorp International Consulting
  Inc.
Nucor Computing Resources Inc.
NUMET Engineering Ltd.

(The) OceanChem Group Limited
Offshore Systems Ltd.

Patterson Industries (Canada)
  Limited
Penticton Foundry Ltd.
Peto MacCallum Ltd.
Phillips Barratt Kaiser Engineering
  Ltd.
Plasticair Inc.
Pluritec Environnement Ltée
Polcon Sales Ltd.
Pollutech Limited
Preso Industries Ltd.
Proctor & Redfern International
  Limited
Proenco Systems Limited

R.B.H. Cybernetics (1970) Ltd.
R.E. Winter & Associates Ltd.
RAB Dedesco Ltd.
Reid Crowther Inc.
Rescan Environmental Services Ltd.
Resource Integration Systems Ltd.
Resource Systems Management
  International Inc.
Roche Ltd.
Rodrigue Metal Limitée
Roger's Steel Products Inc.
Rowan Williams Davies & Irwin Inc.
RTM Engineering Ltd.

Sandwell Swan Wooster Inc.
Scepter Manufacturing Co. Ltd.
SCI-TEC Instruments Inc.
Scintrex Limited
Seakem Oceanography Limited
SEATECH Investigation Services Ltd.
Seimac Limited
SENES Consultants Limited
Seprotech Systems Incorporated
Shred-Tech Limited
Sidbec-Dosco Inc.
Simcoe Engineering Group Limited
Smart Turner Limited
(The) SNC Group Inc.
Solarchem Enterprises Inc.
Solinst Canada Ltd.
Sonitec Inc.
Spider International Ltd.
Spiro Vibro Inc.
SRD Sustainable Resource
  Development Inc.
Stanley Associates Engineering Ltd.
Stedtnitz Maritime Technology
  Limited
Super Vac Inc.
Superburn Systems Ltd.
Surfline Engineering Limited

Tecsult International Ltd.
Temprite Industries Limited
Tenco Machinery Ltd.
Terra Surveys Limited
Tillyard Scientific Services Ltd.
Toxics Recovery Systems
  International Inc.
Trecan Combustion Limited
Trojan Technologies Inc.
TYDAC Technologies Inc.
Tykron Industries Ltd.

UNIES Ltd.
Universal Systems Ltd.
Universal Water Systems Inc.

Versatech Products Inc.
Vibron Limited
Volcano Inc.
Volumetric Limited
Vulcain Alarme Inc.

W-E-R Engineering Ltd.
Wardrop Engineering Inc.
Washburn and Gillis Associates
  Ltd.
Westland Resource Group Ltd.
William R. Perrin Company
  Limited
Willowglen Systems Ltd.
WMS Associates Ltd.
Wotherspoon Foundry Ltd.
Wright Engineering Limited

XXth Century Manufacturing Ltd.

Zenon Environmental Inc.
Zeton Inc.
Zimmark Inc.

Company Profiles

3-L Filters Limited

P.O. Box 371
427 Elgin Street North
Cambridge, Ontario
Canada N1R 5V5

Telephone: (519) 621-9949
Facsimile: (519) 621-3371
Telex: 069-59366
Answerback: 3L CMBG
Contact: John Kadar, President

3-L Filters Limited is a Canadian filtration system and cartridge manufacturing company, founded in 1965. The company has several plants in Canada and a sales office in the U.S., and exports its products to over 32 countries. The company is primarily involved in the design and manufacture of aviation, marine, industrial, nuclear, and oil and gas filtration systems and cartridges. The company's products include micronic filters, fuel water separators, fuel monitors and fuses, nozzles, refuelling hoses, air and gas separators, water purification systems, strainers, coalescers, and a large variety of synthetic media industrial filter cartridges. In-house equipment includes a testing laboratory and a complete research and development facility with pressure vessel fabrication, metal forming, welding, complete machine shop, pleating, winding and knitting equipment.

457575 Ontario Ltd.

1175 Appleby Line, Unit C3
Burlington, Ontario
Canada L7L 5H9

Telephone: (416) 335-8944
Facsimile: (416) 335-8972
Contact: Bruce McCabe, Sales and Marketing Manager

Since 1962, the AER-O-FLO/HINDE division of 457575 Ontario Ltd. has designed, manufactured and supplied equipment to meet the needs of both the municipal and industrial water and wastewater fields. The division has kept pace with the rapidly expanding industrial process markets. It designs entire treatment systems tailored to customers' special needs, supervises installation and start-up of these systems, and provides full operator training. Installations supplied many years ago continue to be serviced today.

671135 Ontario Limited

55 West Beaver Creek Road, Unit 27
Richmond Hill, Ontario
Canada L4B 1K5

Telephone: (416) 764-3232
Facsimile: (416) 764-8325
Contact: David Lorenzetti, President

The York Energy Conservation Division of 671135 Ontario Limited, formed in 1981, manufactures and distributes *The Ion Stick*—a non-polluting electrostatic water treater specifically designed to be retrofitted into any type of recirculating water system. *The Ion Stick* creates an electrostatic field which acts to remove existing hard water scale deposits, prevent further scale build-up, and control bacteriological fouling. The absence of scale increases pipe and equipment life and reduces energy consumption and maintenance costs. *The Ion Stick* keeps the water supply chemical free and safe for human use and aids in energy conservation. The product is exported to the U.S. and to countries throughout Asia.

A.J. Poetker & Associates Ltd.

106B Scurfield Boulevard
Winnipeg, Manitoba
Canada R3Y 1G4

Telephone: (204) 488-2381
Contact: W.H. Brant, Principal

A.J. Poetker & Associates Ltd., established in 1978, is a consulting engineering company specializing in the municipal, environmental and geotechnical fields, in the areas of water and sewage treatment, water intakes, pumping stations, storage reservoirs, water distribution, sewage collection, low pressure sewers, lift stations, forcemains, surface drainage, storm sewers, soil drilling, subsurface investigations, slope stability, and soil analysis.

The company's range of services includes economic and technical feasibility studies, cost estimating, preliminary design, environmental impact studies, surveying and geotechnical investigations, preparation of design drawings, specifications and contract documents, construction inspection and project management, water and wastewater analysis, systems analysis and utility rate studies.

ABBA Parts Inc.

1476 Speers Road, Unit 4
Oakville, Ontario
Canada L6L 2X6

Telephone: (416) 825-1881
Facsimile: (416) 827-0857
Contact: Barry Jasper, Marketing Manager

Established in 1985, ABBA Parts Inc. manufactures quality replacement parts for centrifugal pumps used in the wastewater field. ABBA specializes in the reproduction of wear parts for the old established pump lines - for pumps of 10 cm to 1.4 m (4 to 54 in.) discharge size. ABBA's parts are made of upgraded materials to give longer wear life. All parts are meticulously checked to ensure dimensional integrity; modifications are made to overcome areas of weakness in the original part. ABBA maintains a large inventory of cast parts, especially impellers and suction covers. Parts are sold to municipalities for sewage and water treatment plants and their associated pump stations in Canada and the U.S. through a network of 40 distributors.

ABCO Plastics Limited

P.O. Box 299, 740 Feaubeaux Road
Mahone Bay, Nova Scotia
Canada B0J 2E0

Telephone: (902) 624-8383
Facsimile: (902) 624-8383
Telex: 019-22651
Answerback: ABC PYL MBAY
Contact: Harold Steeves, Executive Vice President

ABCO Plastics Limited has been manufacturing fibreglass reinforced plastic (FRP) products since 1956—initially as a division of Atlantic Bridge Company. ABCO has grown to be one of the largest exporters of FRP piping systems in Canada. The company's main products are fibreglass reinforced plastic corrosion and abrasion-resistant pipe fittings and accessories. ABCO's manufacturing facility has four filament winding machines for fabricating piping, manifolds and headers, ranging in size from 2.54 cm to 3.66 m (1 to 144 in.) in diameter. Pre-assembly, custom fabrications and specialty items are also available. ABCO's quality assurance systems allow its products to be used on critical nuclear power plant installations. This strong technical backing and a superior design piping system puts ABCO at the forefront as a supplier for the U.S. pollution abatement program.

Acier Fabrex Inc.

9000, boulevard Industriel
Trois-Rivières (Québec)
Canada G9A 5E2

Telephone: (819) 379-3738
Contact: Michel Larocque, Sales Manager

Acier Fabrex Inc. produces customized transfer trailers for solid waste handling, semi-trailers, semi-trailer platforms and shipping reels under the brandname *Patriot*. The semi-trailers are available in capacities from 85 to 100 m^3 (100 to 130 cu. yd.). Options include manual or hydraulic flip top cover, and the *Keith Walking Floor* that features a three minute unloading time of urban solid waste. Founded in 1985, Acier Fabrex now has a distributor in the U.S.

Acres International Limited

480 University Avenue
Toronto, Ontario
Canada M5G 1V2

Telephone: (416) 595-2000
Facsimile: (416) 595-2127
Telex: 06-217815
Answerback: ACRESCAN TOR
Contact: Jack Baker, Vice President, Corporate Marketing

Acres International Limited is a professional planning, engineering and management services company with nine offices in Canada and numerous project offices around the world. Established in 1926, Acres has successfully completed thousands of projects in more than 70 countries throughout the world. The company has state-of-the-art engineering facilities, laboratory, and computer aided design/drafting systems.

In addition to environmental and waste management, the company provides multidisciplinary services from conceptual and planning studies through to final engineering, project and construction management.

ADI International Inc.

1133 Regent Street, Suite 407
Fredericton, New Brunswick
Canada E3B 4Y2

Telephone: (506) 452-9000
Facsimile: (506) 459-3954
Contact: Robert Landine, President

Effective wastewater treatment with biogas fuel (methane) and payback potential is the mandate of ADI International Inc. ADI has developed low anaerobic wastewater treatment systems which are suitable for treating a wide range of industrial wastewaters. Warm, strong, organic wastewaters such as those from distilleries, food processing plants, dairies, pharmaceutical plants, breweries, and pulp and paper mills are all candidates for ADI's systems. ADI systems include the *ADI-BVF*—a low cost, low maintenance, low rate anaerobic treatment plant; the *ADI Gester*—a higher rate version of the *ADI-BVF*; contact reactors and fixed film reactors. ADI systems feature low installation costs and high return on investment. Complete pay-back is possible in less than two years. Plants have been established in the U.S., U.K., France and India.

Ajax Material Handling Limited

202 South Blair Street
Whitby, Ontario
Canada L1N 5S4

Telephone: (416) 430-7309
Facsimile: (416) 430-2334
Contact: Robert Yarnell, President

Ajax Material Handling Limited manufactures a line of compactors, balers, and elevating tables. The balers form clean cardboard into 385 to 450 kg (850 to 1,000 lb.) bales which are sold to pulp mills for recycling. The compactors fit onto large steel garbage containers and compact waste garbage. Waste disposal costs are lowered because the increased loading results in fewer filled containers. These products are sold to large industrial and commercial organizations that have waste disposal problems. In the U.S., Ajax's products are sold by Kargo Interspace Ltd.

Alan A. Smith, Inc.

1463 Ontario Street
Burlington, Ontario
Canada L75 1G6

Telephone: (416) 628-4682
Contact: Laurence Smith, Marketing Manager

Alan A. Smith Inc., established in 1978, is an engineering company specializing in stormwater management software for the design of stormwater systems and for the analysis of river profiles. The software products represent hydrologic and computer expertise gained from years of cooperation with universities, government and industry. *MIDUSS* is an interactive system which helps the civil, municipal and environmental engineers to design pipes, channels, detention ponds and diverse structures for stormwater drainage systems. It offers engineers ease of use, power and flexibility. Included are 12 hydrologic models, many design features and sophisticated graphics. The engineer can test, design and optimize any part of the network before moving downstream—a natural procedure which improves productivity and design quality. *MIDUSS* is being used in hydrology courses at universities and by engineering departments in government and industry. *PC-RIVER* is an interactive flow profile analysis program which has the same accuracy as the industry standard HEC-2 program. It is easy to use, and features the ability to analyze flow around islands, interface capability with HEC-2, and on-line cross sectional graphics.

Alcoa International Canada Ltd.

115B Matheson Boulevard West,
Suite 211
Toronto, Ontario
Canada L5R 3L1

Telephone: (416) 568-4100
Facsimile: (416) 485-5100
Contact: Steve Wagner, General Manager

The IWT-Himsley Division, acquired by Alcoa International Canada Ltd. in 1986, produces industrial scale liquid/liquid and liquid/solids separations equipment. Products include continuous ion exchangers, clarifiers, softeners, filters, and inorganic membranes, as well as water and wastewater purification equipment in such industries as uranium mining. These products have been sold to the hydro-metallurgy, electroplating, mining and food and beverage industries throughout North and South America.

Alconsult International Ltd.

302407 8th Street S.W.
Calgary, Alberta
Canada T2P 1E5

Telephone: (403) 262-5886
Facsimile: (403) 264-2625
Telex: 03-821172
Answerback: CGY
Contact: Gordon Jones, President

Alconsult International Ltd., established in 1986, is an engineering consulting firm comprised of senior professionals mainly from the oil and gas, mining, forestry, and water supply resource fields. Their geologists, geophysicists, geographers, hydrologists, foresters, biologists, and computer scientists have capabilities in 30 languages. Substantial international experience has been accumulated through work in 100 countries.

Services are provided in environmental assessment, pollution protection and countermeasures, as well as specialized fields such as meteorology, oceanography and ice physics. The company handles all aspects of remote sensing, airphoto interpretation, terrain analysis, land use planning and inventory, computerized information systems, and occupational health and safety. Training and technology transfer has been a basic component of most projects. Clients include international agencies involved in foreign aid, numerous industry sectors, international training agencies and governments.

Amenatech Inc.

345, boulevard Industriel
Sherbrooke (Québec)
Canada J1L 1X8

Telephone: (819) 566-8855
Facsimile: (819) 566-0224
Contact: Guy Fouquet, Manager

Amenatech Inc. specializes in the provision of environmental services, including microbiological and physico-chemical analysis, air pollution control, wastewater treatment, biotechnologies, impact studies, urban and regional planning, tourism studies, waste management, research studies in ecotoxicity, ecological investigations, and remote sensing. Established in 1981, their professionals include engineers, microbiologists, hydrologists, biochemists, and urban planners. Services have been provided to municipalities, federal and provincial governments, and various industries. With its parent company, The S.M. Consulting Group Inc., international projects are undertaken.

Analygas Systems Ltd.

215 Nantucket Boulevard
Scarborough, Ontario
Canada M1P 2P2

Telephone: (416) 759-2241
Facsimile: (416) 757-8096
Telex: 06-963840
Answerback: ANALYGAS
Contact: J.C. Richardson, President

Analygas Systems Ltd., founded in 1971, designs and manufactures gas detectors and monitors. Their product line includes an ammonia/freon leak detector; an electrochemical gas analyzer for the detection of a wide variety of reactive gases including carbon monoxide, oxygen, sulphur dioxide, nitrogen dioxide and hydrogen sulphide; a multipoint version of their gas monitor that can detect a variety of gases and vapours including carbon monoxide in vehicle exhausts, and ethylene oxide in freon; and a portable, battery powered, carbon monoxide monitor designed to provide reliable operation for long periods. The company specializes in the custom engineering of environmental monitoring systems including emissions benches and stack monitoring. Their products are sold in the U.S. through a distributor.

ARJAY Engineering Ltd.

2495 Haines Road
Mississauga, Ontario
Canada L4Y 1Y7

Telephone: (416) 276-2208
Facsimile: (416) 277-2588
Contact: Greg Reeves, Sales Manager

ARJAY Engineering Ltd. began manufacturing the *ARJAY* brand of level monitors and controls in 1983. The company produces capacitance level systems for both liquids and solids applications, offering a full range of outputs, indicators and alarm functions. Specialty control systems are also designed and manufactured to meet the rigid custom requirements of the process industries. ARJAY Engineering offers custom systems to meet application demands. The company operates through a network of specialized representatives across Canada and the U.S. for the industrial and municipal market.

Arlat Inc.

150 East Drive
Bramalea, Ontario
Canada L6T 1C1

Telephone: (416) 458-8220
Facsimile: (416) 458-8224
Contact: Gordon Battaglia, Manager, Sales/Administration

Arlat Inc., established in 1982, produces electrochemical wastewater treatment systems. Their process, which has been successfully applied to the treatment of oily and latex emulsions, combines the principles of electrolytic and electrostatic treatment of waste together with chemical pH adjustment. The company provides design and construction services in water treatment, waste treatment, and waste management, as well as waste disposal services.

The Armstrong Monitoring Corporation

215 Colonnade Road South
Nepean, Ontario
Canada K2E 7K3

Telephone: (613) 225-9531
Facsimile: (613) 225-6965
Contact: David Robinson, Export Manager

The Armstrong Monitoring Corporation (AMC) is a developer and manufacturer of hazardous and combustible gas or vapour detection and monitoring systems. Established in 1981, AMC's products are sold in Canada and worldwide through a network of agents and distributors. Equipment models include portable and hand-held units, fixed multipoint systems of the rack and wallmount type, and data acquisition modules interfaced with transmitters and sensors. Toxic and combustible gases that can be effectively monitored with AMC sensors include carbon monoxide, chlorine, oxygen, hydrogen sulphide, ammonia, petroleum and petroleum derivatives, and a broad range of combustible gases and vapours. AMC systems are used by the chemical, petroleum, mining, pulp and paper industries, laboratories, hospitals, sewage and water treatment plants, pipelines, onshore/offshore drilling rigs, airports, naval ships, and storage facilities.

Array Systems Computing Inc.

5000 Dufferin Street, Suite 200
Toronto, Ontario
Canada M3H 5T5

Telephone: (416) 736-0900
Facsimile: (416) 736-4715
Contact: Bernard A. Torbik, General Manager

Array Systems Computing Inc. has become a leader in the fields of remote sensing and signal processing since its establishment in 1981. Array, benefitting from its close working relationship with Environment Canada, the National Research Council and the Department of National Defence has developed advanced meteorological, compiler and realtime imaging systems. The company supplies complete ground stations for the reception, processing and dissemination of data from polar orbiting and geostationary satellites. Systems and components have been supplied to numerous customers worldwide, including governments and technical institutions.

Through the use of their *Fourier Compiler*, an ultrahigh resolution imaging radar system is under development for the Department of National Defence. Also developed is an *Expert Debugging System* for ADA—an advanced program analysis tool which assists programmers in the difficult task of debugging complex problems.

The Arthur S. Leitch Company Limited

999 William Street
Midland, Ontario
Canada L4R 4L7

Telephone: (705) 526-5496
Facsimile: (705) 526-0020
Telex: 0687-5549
Contact: John D. Leitch, President/ General Manager

The Arthur S. Leitch Company Limited, established in 1920, developed a design and manufacturing capability which today involves centrifugal pumps, shell and tube exchangers and pressure vessels. Additional related products have also been developed such as mechanical gas line separators, industrial water filters, de-aerators, water softeners, packaged pump sets, packaged boiler feed sets, etc. The company also acts as a fabrication facility for a number of foreign companies. The international acceptance of these industrial products is resulting in a rapid expansion of the product line. The products are exported to the U.S., South America, and Asia.

ASW Computer Systems Ltd.

75 Lakeshore Road East
Port Credit, Ontario
Canada L5G 1C9

Telephone: (416) 274-7774
Facsimile: (416) 274-5194
Contact: Peter Stower, Director, Marketing

ASW Computer Systems Ltd., founded in 1979, is a Realtime Computer Systems Integrator with specializations in industrial control systems including Supervisory Control and Data Acquisition systems (SCADA) and Computer Aided Telecommunications (CAD). ASW has a wide variety of products for the SCADA and CAD market—from IBM PC compatible equipment to Intel Multibus II complex configurations for large systems. ASW's expertise enables the company to size systems in line with clients' current and future needs. ASW concentrates its efforts in electrical generation and distribution, water treatment and distribution, wastewater processing, and gas distribution SCADA applications.

Atlantic Industries Ltd.

P.O. Box 220
Dorchester, New Brunswick
Canada E0A 1M0

Telephone: (506) 379-2428
Facsimile: (506) 379-2290
Contact: J.W. Wilson, President

Atlantic Industries Ltd. (AIL), established in 1965, manufactures corrugated steel pipe in sizes 15.25 cm to 3.66 m (6 to 144 in.) diameter, structural plate pipe and pipe arch from 1.83 to 6.4 m (72 to 252 in.) diameter, galvanized W section guard rail, ventilation duct pipe from 10 cm to 1.53 m (4 to 60 in.) diameter, polyvinyl chloride sewer water and duct pipe from 10 to 46 cm (4 to 18 in.) diameter. Their line of PVC pipe products have numerous features such as a unique jointing method which permits lower leakage allowances, as well as factory installed and locked-in-place gaskets. The company's products are sold throughout North America to industry, federal departments for defence and public works projects, and governments for highway, water and wastewater projects.

Atomic Energy of Canada Limited

Whiteshell Nuclear Research Establishment
Pinawa, Manitoba
Canada R0E 1L0

Telephone: (204) 753-2311
Facsimile: (204) 753-8404
Telex: 07-57553
Contact: Barbara Gray, Commercial Officer

Whiteshell Research of Atomic Energy of Canada Limited and its more than 3,000 employees, including 500 scientists and 400 professional engineers, have an extensive array of skills and experience encompassing a broad range of disciplines. Environmental monitoring, analysis, waste management and site characterization have been an integral part of the research and development program for over 20 years. Whiteshell Research provides services to local and federal government environmental monitoring and waste management groups and to industries producing waste products for disposal.

The Canadian Nuclear Fuel Waste Management Program which conducts underground nuclear waste management research is one of the most advanced programs in the world. Its scientists and engineers embody a range of environmental disciplines (chemistry, physics, life sciences, geosciences). These resources are available to industry on a commercial basis for *Waste Management* projects—to develop waste treatment technologies for the removal and stabilization of chemical wastes from various effluents, and to develop safe storage and disposal technologies for waste isolation; for *Environmental Studies* to understand the transport and dispersion of toxic pollutants, their uptake by plants, and their transport through animal and human food chains; and to develop analytical methods of assessment methodologies to calculate the effects on man and the environment. Other services include chemical waste management, environmental monitoring and assessment, development of instruments to monitor pollutants in air and water, air cleaning technologies for fossil fuelled power plants and automobiles, advice on environmental protection and clean-up programs; low level and trace radioactivity and chemical analysis; and soil, water, and air monitoring.

The full range of waste management consulting services offered includes research, conceptualization, development, design, optimization, project management, decommissioning and independent review.

Automatic Compactors Limited

75 Rodinea Road
Maple, Ontario
Canada L6A 1R3

Telephone: (416) 832-2261
Facsimile: (416) 832-3816
Contact: M. Schwartz, Sales Manager

Automatic Compactors Limited produces a complete line of compactors, balers and compaction containers for commercial and industrial use. The company will also design and manufacture units to meet exact specifications and requirements. In business for over 20 years, the company's units have been exported to the U.S. and to Saudi Arabia.

Aviation Planning Services Ltd.

800, ouest boul. René-Lévesque
Bureau 1420
Montréal (Québec)
Canada H3B 1X9

Telephone: (514) 878-4388
Facsimile: (514) 861-6310
Contact: Richard S. Fisher, Executive Vice President

Aviation Planning Services Ltd. (APS), formed in 1967, provides professional consulting services to all sectors of the aviation industry. The company has executed approximately 360 projects for over 100 clients both domestically and in 28 countries worldwide. The multidisciplinary staff consists of specialists in engineering, flight operations, airline economics, aircraft maintenance, aircraft noise impact, and aviation products marketing. Major activities are directed toward commercial air transportation, airport planning, general aviation, product analysis for aerospace manufacturers, maintenance base planning, equipment procurement, and aviation system planning and development programs for industry and government. APS provides environmental analyses including assessment of overflight noise on communities, noise exposure forecasts and recommendations for alleviation through compatible land use and operational techniques, relationship of airport plans to the dispersal of atmospheric pollutants from aircraft and fixed ground sources, analysis of meteorological data to determine runway orientation and to analyze aircraft minimum descent altitudes, and determination of airport requirements for the removal of snow and ice.

Barringer Research Limited

304 Carlingview Drive
Rexdale, Ontario
Canada M9W 5G2

Telephone: (416) 675-3870
Facsimile: (416) 675-3870
Telex: 06-989183
Answerback: BARESEARCH
Contact: Andy Murray, Vice President

Barringer Research Limited specializes in environmental analytical services with emphasis on water quality and air pollution parameters. The range of chemical analyses includes trace element inorganic and organic priority pollutants in various matrices. Barringer also provides radon monitoring services to Canadian and U.S. clients.

The company's products, the *COSPEC V* and *mini-COSPEC* both stand-alone and as parts of turnkey systems for mobile remote sensing surveys of sulphur dioxide or nitrogen dioxide. Barringer provides water sample analyses—trace element inorganic and organic; air sample analyses—trace element inorganic and organic; and radon monitoring of indoor air. Established in 1961, Barringer now has most of the world market for the kind of remote sensing which is used to measure transboundary flux and total NO_2/SO_2 flux from isolated sources such as an electricity generating station or a smelter.

BCA Industrial Controls Limited

9688 - 187th Street
Surrey, British Columbia
Canada V3T 4W2

Telephone: (604) 888-4141
Facsimile: (604) 888-3565
Contact: W.T. Crane, President

BCA Industrial Controls Limited is a manufacturing and service organization for the selection, manufacturing and assembly of sewage and water treatment plants, pressure reducing stations, and irrigation systems. BCA provides complete, prefabricated package and turnkey systems by manufacturing products and accessories to complement the valves, meters, pumps, controls and systems of other manufacturers. BCA works directly with the design engineers to select products and control systems that meet all requirements. Established in 1963, BCA has branch offices throughout western Canada and in the U.S.

Beak Consultants Limited

14 Abacus Road
Brampton, Ontario
Canada L6T 5B7

Telephone: (416) 458-4044
Facsimile: (416) 458-7303
Contact: Dr. Karl Schiefer, Managing Director

Beak Consultants Limited is an environmental consulting company, established in 1960, and has offices in Canada and the U.S. The company provides a complete range of services, such as environmental impact assessment and ecological studies, environmental engineering including process and detail design, and field and analytical services. The company has taken a leading role in Canada in the fields of eco-toxicology, contaminant pathway analysis and modelling, and biotechnology regulation. Specialized services in environmental impact assessment, fisheries management, nutrient cycling, toxicology, benthic taxonomy, socio-economic evaluation, computer modelling, waste characterization, energy conservation studies, environmental (process) engineering, hazardous waste management, and organic and inorganic (complete priority pollutant) analysis are offered. Environmental and engineering services are also provided to mining, metallurgical, chemical, power generating, petrochemical, food processing and other industries, as well as to international governmental research and resource agencies.

Belfab Inc.

440, boulevard Guimond
Longueuil (Québec)
Canada J4G 1P8

Telephone: (514) 463-3344
Facsimile: (514) 463-3252
Telex: 055-62171
Contact: Andre Rocque, Marketing Coordinator

Belfab Inc. manufactures air purification systems for various industries including woodworking and welding. Catering to small workshops as well as large manufacturing plants, Belfab offers a range of dust and fume collection systems. Their products are of the sturdiest construction and meet the strict Canadian Standards Association (CSA) requirements. Belfab has distributors across Canada and plans to expand this network to the U.S.

The dust collector line begins with an open type model *JJ-10B* (1 hp, 25 m^3/min (800 cu. ft./min)) and reaches a 710 m^3/min (25,000 cu. ft./min) capacity, with an enclosed type model *PD-33*. Belfab can design and install systems in facilities requiring greater capacity. Cartridge type dust and fume collectors, available in the same m^3/min capacity range as the aforementioned bag type collectors, are used where metal, pottery, sand, plastics and powders are treated. The company also supplies direct drive and belt driven exhausters (1 hp to 100 hp), ducting and necessary accessories.

Bercan Environmental Resources Inc.

5028 Mount View Road
P.O. Box 238
Lantzville, British Columbia
Canada V0E 2H0

Telephone: (604) 390-3113
Contact: Allan J. McInnes, President

Bercan Environmental Resources Inc. manufactures products used to solve organic waste management problems such as drain cleaning, decomposing odor control, organic solids removal from overloaded sewage treatment plants, water purification, pollution control, composting garbage and agricultural wastes. Bercan's formulae for the control of organic waste decomposition provide more than 30 percent more usable bio-gas over the decomposition process, complete noxious odor emission control, and byproducts of micro nutrient fertilizers. Bercan's drain cleaners will completely remove all organic deposits from sewage interceptor lines, building drains and lift stations. In sewage treatment plant overload conditions (due to population increase/over capacity), the organic digestion rate over all organic solids including cellulose can be doubled. Most cities in western Canada are using one or more of Bercan's waste management and control formulae.

Bibby-Ste-Croix Foundries Inc.

202 Beverly Street, Box 279
Cambridge, Ontario
Canada N1R 5T8

Telephone: (519) 621-8410
Facsimile: (519) 621-8931
Telex: 069-59319
Contact: Gordon Kendall, General Sales Manager

Bibby-Ste-Croix Foundries Inc., established in 1933, is a major supplier of cast iron soil pipe and fittings, and cast iron valve boxes for the municipal waterworks market. Cast iron custom castings for other manufacturers are also produced. The company adheres to rigid quality control procedures. Their laboratory includes sand-testing equipment, spectrograph, and mechanical testing equipment, as well as equipment for macro and micro metallurgical examination. Their products are exported to several countries and there are agents in the U.S. and in Europe.

Bigelow-Liptak of Canada Limited

1831 Mattawa Avenue
Mississauga, Ontario
Canada L4X 1K7

Telephone: (416) 279-9501
Facsimile: (416) 279-7577
Telex: 064-5823
Contact: John Williams, President and General Manager

Bigelow-Liptak of Canada Limited, established in 1944, is a manufacturer of industrial furnaces and incinerators. Products include fume noxious gas, tail gas or gaseous type incinerators with or without heat exchangers; liquid waste incinerators; and waste wood or bark fired furnaces to generate steam or hot gases for process. The company's clients are the mining, steel, pulp and paper, secondary metals, automotive, chemical, petrochemical, and secondary wood industries in North America.

Bio-Char Inc.

7729 Eighth Line, South
Hornby, Ontario
Canada L0P 1E0

Telephone: (416) 875-4600
Facsimile: (416) 876-1854
Contact: J.B. Derrick, Marketing Manager

Bio-Char Inc. is a leader in the field of Waste-To-Energy. Established in 1983, Bio-Char responds to energy reclamation application needs. It produces a line of modular, state-of-the-art incinerators for all types of liquid and solid waste which are prepackaged for ease of transportation and installation. They are available in any size to effectively destroy any volume of waste, ranging from 45 kg/d (100 lb./d) to 200 t/d. Bio-Char has designed and installed Waste-To-Energy facilities that burn everything from biomedical/hazardous waste to municipal garbage. Bio-Char's products reclaim energy such as steam and/or cogenerate electricity.

BLO-AER International Inc.

500, avenue Lee
Baie d'Urfé (Québec)
Canada H9X 3P3

Telephone: (514) 457-5120
Facsimile: (514) 457-9740
Contact: Rainer C. Schliep, General Manager

Since 1982, BLO-AER International Inc. has manufactured complete blower packages which are sold extensively throughout Canada. The company offers a repair service, exchange program and start-up assistance. Their Positive Displacement Blower packages are used in a large variety of industries and public utilities. Ready-made units with motors and acoustic hoods are completely assembled and shipped to world markets.

Boundary Layer Wind Tunnel Laboratory

The University of Western Ontario
Western Road
London, Ontario
Canada N6A 5B9

Telephone: (519) 661-3338
Facsimile: (519) 661-3339
Telex: 064-76585 LDN

The Boundary Layer Wind Tunnel Laboratory is an organization of professionals applying their expertise and facilities to a broad range of opportunities and problems involving wind, air pollution and the environment. Studies for industry are performed on a contract basis by a full-time, professional staff supervised by research directors who have a combined experience of over 105 years in the field. The laboratory has served engineers, architects and designers throughout North and South America, Europe, Asia and Australia.

The Laboratory can help solve a range of environmental problems including the dispersion of pollutants; drifting of and loading from ice and snow; stability of and blow-off from stockpiles and tailing inventories; design and siting of sports facilities; and evaluating wind conditions on city streets. Other areas of expertise include wind climate modelling, transportation facility siting and design, studies of soil erosion and the drift of sprays, wind energy, wind effects on structures, and monitoring the movement of full-scale structures.

Bow Valley Resource Services Ltd.

1313 - 44th Avenue N.E.
Calgary, Alberta
Canada T2E 6L5

Telephone: (403) 291-1313
Facsimile: (403) 291-1128
Telex: 03-827569
Answerback: WR & D CGY
Contact: Randy Hauer

Western Research Division of Bow Valley Resource Services Ltd. is internationally recognized for the supply of high quality process monitoring instrumentation and environmental consulting, engineering and testing services to the sour gas processing and sulphur recovery industries. Western Research provides the client with a single source for their environmental engineering, air quality management, and instrumentation requirements. Established in 1965, the company has provided over 700 systems to refineries, gas processing plants, sulphur recovery units, power stations, kraft pulp mills, laboratories and mobile test vans. They have offices in Canada and the U.S., and representatives throughout every continent.

Environmental engineering services include site selection, environmental impact assessment, acoustics, process testing and design evaluation, incineration technology, applied research on special problems, laboratory analyses and source emission compliance testing. Air quality management services include meteorological services and monitoring systems ranging from an individual station to complex, integrated multi-station networks that include air quality monitors, meteorological equipment, telemetry and automatic data acquisition systems. The Process Instrumentation group designs and manufactures sulphur specific analyzer systems for process control and emission monitoring applications.

Brown Strachan Associates

1290 Homer Street
Vancouver, British Columbia
Canada V6B 2Y5

Telephone: (604) 689-0514
Facsimile: (604) 689-2703
Contact: David W. Brown, Partner

Brown Strachan Associates is a partnership of consulting engineers specializing in acoustics for the industrial and construction industries. Established in 1976, Brown Strachan has served clients in the U.S., western Europe, Australia and throughout Canada as well as on numerous EXPO '86 projects. Environmental impacts, acoustics, noise control, vibration, and seismic control are their principal fields of activity. In-house computers are used extensively to aid in the analysis of acoustical problems and the company has developed specialized software to analyze design problems including mechanical system noise and vibration, environmental noise, community response, industrial noise and employee exposure.

C-E Canada Power Systems Inc.

99 Bank Street
Ottawa, Ontario
Canada K1P 6C5

Telephone: (613) 560-4545
Facsimile: (613) 560-4494
Telex: 053-3394
Answerback: SUPERHEAT
Contact: Peter Koelbleitner, Vice President, International Business Development

C-E Canada Power Systems Inc., established in 1920, is a subsidiary of Combustion Engineering Inc. In addition to being a major supplier to the utility industry, the company has also furnished a large number of chemical recovery units and industrial boilers to industries ranging from pulp and paper, petrochemical, sugar, and steel to aluminum, in more than 18 countries around the world. These units burn a large variety of fuels and have been designed in accordance with individual requirements. The company also designs systems for the removal of sulphur dioxide and nitrous oxide in flue gases of thermal electric plants and waste incinerators.

The company has commissioned units in numerous countries worldwide, including Australia, New Zealand, Thailand, Spain, Argentina, and Mexico. Their Services Group provides expert services for construction, commissioning, retrofitting and upgrading all equipment sold by the company and others. The company also provides inspection and testing, together with feasibility studies, outage planning and project management services.

C.M.S. Rotordisk Inc.

1175 Appleby Line, Unit C3
Burlington, Ontario
Canada L7L 5H9

Telephone: (416) 335-8944
Contact: M. Croston, President

Established in 1974, C.M.S. Rotordisk Inc. produces the *Chemdisk*—a solution to phenolic contamination. This product destroys contaminants in gaseous emissions. The removal and destruction of pollutants is effected in a single vessel and is an advance over existing processes that require several stages and several vessels for such treatment. The *Chemdisk* is applicable in industries that employ or manufacture phenolic materials and to producers of water-soluble and bio-degradable gaseous contaminants. Users include the chemical industry, food industry, plastics fabricators, petroleum producers, and paint manufacturers. The process works by passing a gas stream through an enclosed rotary biocontactor to expose viable biomass (acclimated micro-organisms) to the moving gas stream. The pollutants are absorbed in the liquid surrounding the biomass and assimilated by the micro-organisms to produce non-toxic metabolites, such as carbon dioxide and water. The company is also a major manufacturer of Rotating Biological Contactors (R.B.C.s).

The Cambrian Engineering Company Limited

2200 Argentia Road
Mississauga, Ontario
Canada L5N 2K7

Telephone: (416) 858-8010
Facsimile: (416) 858-3332
Telex: 06-218797
Answerback: AI CE CIP MSGA
Contact: S.M. Daniel, President and Chief Executive Officer

The Cambrian Engineering Company Limited is the consulting engineering arm of Agra Industries Ltd. Established in 1966, it was involved in the pioneering of Canola processing in Canada. The company offers a consulting engineering service to process industries in the beverage, food, pharmaceutical, mining, chemical and metallurgical sectors. An integral part of this service is the evaluation and mitigation of environmental impacts. This extends to air, water, surface, and working environments as well as hazardous waste disposal and dangerous goods transportation issues. Cambrian has obtained process patents in its own name and on behalf of clients for innovative solutions to many of these problems. Prime market areas include North America, Europe, Africa and S.E. Asia.

Canadian Cabinets Company Ltd.

25F Northside Road
Nepean, Ontario
Canada K2H 7V1

Telephone: (613) 829-1433
Facsimile: (613) 829-6331
Contact: Michael B. Mennie, National Sales Manager

Canadian Cabinets Company Limited (CCCL) was incorporated in 1968 and manufactures a wide range of environmental air control equipment for many fields of science and technology. Over the years, the company has developed many high quality products for use in such diverse fields as the life sciences, low level chemical analysis, bio-engineering, radioisotope handling, micro-electronics, agricultural laboratories, aerospace, electronics and testing/research/clinical hospital and public health laboratories. The products of CCCL are exported worldwide and are sold in Canada through a network of agents and distributors.

CCCL's products include Air Flow/Room Pressurization Monitors, Laminar Flow Clean Air work stations, biological containment hoods (Class I, Class II—Types A and B, Class III), fume hoods, glove boxes, polypropylene Wet Stations, *HEPA* Filter Ceiling Modules, and modular clean rooms. They also design, manufacture and install turnkey clean rooms, pathogen containment facilities and toxic chemical laboratories.

Canco Filter Inc.

400 - 8 Matheson Boulevard East
Mississauga, Ontario
Canada L4Z 1N8

Telephone: (416) 890-0800
Facsimile: (416) 890-0802
Contact: Ken Roberts, Sales Manager

Canco Filter Inc. has been designing and manufacturing filtration equipment in Canada since 1982. The company has developed a wide range of standard and custom engineered products and systems. Industrial filters are available for most applications including air intake filters, compressed air and gas filters and separators, liquid filters and separators, potable water filters, automatic filter systems, waste treatment filters and exhaust mist eliminators. Canco's markets include the oil and gas industry, food and beverage industries, chemical and petrochemical, manufacturing and general process industries.

Canpolar Inc.

4 - 421 Eglington Avenue West
Toronto, Ontario
Canada M5N 1A4

Telephone: (416) 487-1581
Facsimile: (416) 487-7451
Telex: 06-218813
Contact: James Rossiter, President

Canpolar Inc. is a venture technology company developing and commercializing products primarily for marine applications. The company has offices in Toronto and St. John's and has developed several innovative products. The company also offers scientific consulting services, especially in the field of sensor systems for industrial applications. One of Canpolar's products is a unique oil skimmer for use in ocean environments to recover viscous oils, such as Bunker-C at a recovery rate of 40 t/h.

Canron Inc.

100, Édifice du Port de Montréal
Aile n° 3
Montréal (Québec)
Canada H3C 3R5

Telephone: (514) 861-7221
Facsimile: (514) 876-8747
Telex: 05-561832
Answerback: CANRONINTL MTL
Contact: Steve Kostaniuk, General Manager

Canron Inc., founded in 1915, serves commercial, municipal, railroad, industrial and utility markets throughout the world, through nine autonomous business divisions. The company's 26 plants and 3,000 employees are located in Canada, the U.S., and Australia. Canron's environmental products include *Perma-Loc* plastic pipe and fittings, ductile iron pipe and fittings; *Hyprescon* high pressure concrete pipe and fittings which are used by municipalities to transport water and sewage; *Thermolene*, a high density polyethylene piping system; *ISO Ductile* iron pipelines; specialized machinery for the pulp and paper, steel and aluminum sectors; ingot moulds; and municipal castings.

Cansult Group Limited

30 Centurian Drive, Suite 206
Markham, Ontario
Canada L3R 8V8

Telephone: (416) 470-2010
Facsimile: (416) 470-2060
Telex: 06-966783
Answerback: CANSULT TOR
Contact: David Field, Vice President

Cansult Group Limited offers consulting services to international clients directly, and to North American clients through affiliated firms. Cansult was formed in 1961 and has focussed its activity on providing consulting services in the transportation, municipal, urban and leisure fields. The firm operates from seven offices located in the Middle East. In North America, the Cansult Group's affiliated companies are CGL Consulting Engineering Limited—engineers of water and sewerage systems; CanCode Inc.—offering services and training to industrial clients for regulatory requirements; and PLANTEC Inc. —providing CAD services to engineering and telecommunications industries.

Cantech Environmental Systems Inc.

2345 Stanfield Road
Mississauga, Ontario
Canada L4Y 3Y3

Telephone: (416) 275-9800
Facsimile: (416) 275-0947
Telex: 06-961477
Contact: Peter Finnis, General Sales Manager

Cantech Environmental Systems Inc., formerly Carborundum Environmental Systems Canada Ltd., has been engaged in the marketing, design, manufacturing, project management, commission and start-up of equipment and systems both in Canada and the U.S. for the past 30 years. Its staff consists of professional engineers, technicians, office and production workers. The company's products include settling chambers and cyclonic separators, water cooled ducts and hairpin collars, dry fabric dust filters, wet process gas scrubbers, and Pangborn wheel shot/grit blast machines. Their environmental equipment and systems are used in most industries. Cantech offers either proprietary equipment or complete systems on a turnkey basis with full aftermarket support and service. Cantech specializes in multi-million dollar installations. More than 100 systems are in operation across North America. In some large U.S. installations, the company subcontracts fabrication and/or assembly with local manufacturing concerns while retaining full technical control from its Mississauga head office.

CanTest Ltd.

1523 West 3rd Avenue, Suite 200
Vancouver, British Columbia
Canada V6J 1J8

Telephone: (604) 734-7276
Facsimile: (604) 731-2386
Contact: Don Enns, Assistant Manager

Since 1969, CanTest Ltd. has been a leader in providing state-of-the-art analytical services to government and industry. As an independent laboratory with over $2 million of sophisticated equipment and more than 40 analysts, CanTest provides diverse services in environmental analysis, food chemistry, drug research and industrial processing. Organizations concerned with environmental safety and process issues use CanTest's services—the mining, pulp and paper industries; engineering/consulting firms; petroleum, food, chemical and metal producers; laboratories; and well drillers.

Through its offices and laboratories in Canada and the U.S., CanTest provides services such as water potability, nutrient and pollutant analyses; organics—PCB, PCP, herbicides, pesticides, THM, priority pollutants; metals—metal scans, waste characterization, environmental monitoring, tissue analysis; industrial hygiene—medical gas testing to CSA specification, air quality, analysis of biological fluids; food chemistry—vitamins, label claims, feed analysis; and industrial testing—steels, alloys, and fertilizers.

Capital Disposal Equipment Inc.

1940 Albion Road
Toronto, Ontario
Canada M9W 5T2

Telephone: (416) 675-7285
Facsimile: (416) 675-2088
Contact: Quinto de Filippi, President

Capital Disposal Equipment Inc., established in 1984, produces a full line of solid waste disposal equipment and vehicles. Their products are widely used by private contractors and municipal authorities in both the U.S. and Canada. Products are engineered to very exacting specifications, resulting in equipment that is durable, reliable and economical to operate while maintaining competitive pricing. The company's team of professionals have been producing disposal equipment for over a decade making Capital Disposal a leading manufacturer of hi-compaction telescopic front end loaders, 20 to 40 t capacity roll-off hoists, transfer trailers and hi-compaction rear end loaders—15, 19 and 24.5 m^3 (20, 25, 32 cu. yd.) capacities, for North America.

Carter Day Industries (Canada) Ltd.

1425 Whyte Avenue
Winnipeg, Manitoba
Canada R3E 1V7

Telephone: (204) 786-5781
Facsimile: (204) 783-9404
Telex: 07-57327
Answerback: CARTER DAY WPG
Contact: Ed Buchik, Vice President, World Trade

Carter Day Industries (Canada) Ltd., formerly Simon-Day Ltd., is an industrial equipment company specializing in the design, manufacture and installation of seed and grain cleaning equipment and air pollution control. The company's products and services include seed and grain cleaning/separation equipment, industrial dust filters, rotary valves, materials handling equipment systems, design and installation, custom sheet metal fabrication, training and supervision. Their equipment is in use in 145 countries worldwide.

CBR International Biotechnologies Corp

P.O. Box 2010,
9865 West Saanich Road
Sidney, British Columbia
Canada V8L 3S3

Telephone: (604) 655-1944
Facsimile: (604) 655-7131
Contact: Andrew Gillam, Vice President, Corporate Development

CBR International Biotechnologies Corp, established in 1986, provides extensive environmental research services and a product line targetted to the environmental/medical research and diagnostic markets. CBR is known to the North American and European markets for its expertise in chemical, biochemical and biotechnological processes with environmental applications. Due to the increasing domestic and international concern for the protection of the environment, CBR International has experienced substantial growth. Their staff now includes 30 scientists and technicians and their new facilities now comprise 900 m^2 (10,000 sq. ft.).

Through its research and development division, CBR International has developed a biology capability focussing on the needs of the resource and environmental industries. This has led to the development of the first laboratory-based prototype of a biotechnological process for gold prospecting. In addition, a research tool catalogue composed of a series of cDNA and monoclonal antibodies to stress response genes and gene products is scheduled for released in early 1990. The corporation is also involved in the development of an environmental monitoring system based on stress response proteins. This system will provide a means by which governments and industries can monitor the environmental effects of industrial pollutants on indigenous organisms.

Chem-Security Ltd.

501 - 100 Park Royal South
West Vancouver, British Columbia
Canada V7T 1A2

Telephone: (604) 925-3686
Facsimile: (604) 925-1267
Contact: John Richardson, General Manager

Chem-Security Ltd., a subsidiary of Bow Valley Resource Services Ltd., was established in 1981 to develop special waste management facilities and provide waste management services. In recent years, Chem-Security designed, built and operated the first fully comprehensive special waste treatment facility in North America, in Swan Hill, Alberta. Chem-Security also offers expertise in site decontamination and reclamation projects, and in the related services including transportation and disposal of special wastes, laboratory chemical packaging for disposal, spill clean-up, and PCB transformer decommissioning.

Chemetics International Company

1818 Cornwall Avenue
Vancouver, British Columbia
Canada V6J 1C7

Telephone: (604) 734-1200
Facsimile: (604) 734-0340
Telex: 04-507612
Answerback: CHEMETICS VCR
Contact: Scott Sheppard

Chemetics International Company is a subsidiary of C-I-L Inc., the largest chemical manufacturer in Canada. The aim of Chemetics is to utilize and to market the technical and engineering capabilities of its own and associated companies through the supply of processes, plant technology and know-how to the chemical and pulp and paper manufacturing industries.

The company offers expertise in both the design and operation of plants for the manufacture of sodium chlorate, chlorine and caustic soda, chlorine dioxide, hydrochloric acid, calcium hypochlorite, sulphuric acid, petrochemical and nitrated organic products. Pollution control technologies and systems include acid recovery and concentration for reuse, alkylation waste acid treatment, turpentine recovery and tall oil distillation. Chemetics has built or is building process plants in 15 countries and has supplied technology and engineering to many more.

Chemvac Inc.

1705, 3e avenue
Montréal (Québec)
Canada H1B 5M9

Telephone: (514) 353-9170
Facsimile: (514) 353-9170
Telex: 05-829559
Contact: Rene Landry, General Manager

Founded in 1986, Chemvac responds to the need for special environmental equipment. The company specializes in the design and manufacture of equipment capable of controlling and/or eliminating pollutant materials, and offers a range of diverse products. In addition, Chemvac's engineers and qualified personnel will design and build customized equipment and systems. Chemvac's products include an industrial vacuum system, portable tank for contaminated liquids, emergency trailers for emergency response to environmental accidents, containers for storage and transport of hazardous materials, and a range of oil spill containment products. Chemvac primarily serves the municipal and heavy industry markets, such as refinery plants, aluminum smelter plants, petrochemical plants, and water treatment facilities.

Circul-Aire Inc.

3999, chemin de la Côte-Vertu
Saint-Laurent (Québec)
Canada H4R 1R2

Telephone: (514) 336-3330
Facsimile: (514) 336-3023
Contact: Leo Bourget, Vice President

Circul-Aire Inc., in business for 22 years, is a manufacturer of air filtration media and systems for odor abatement, toxic gas control, electronics corrosion control, environment control and energy conservation. The company is a leader in 'gas phase' filtration. Circul-Aire provides indoor air quality analysis capabilities, installation and turnkey, including start-up of systems. Clients include pulp and paper mills, refineries, chemical plants, hospitals, institutions, and commercial buildings.

CML Northern Blower Inc.

901 Regent Avenue West
Winnipeg, Manitoba
Canada R2C 2Z8

Telephone: (204) 222-4216
Facsimile: (204) 663-2698
Contact: K. Lailey, General Sales Manager

CML Northern Blower Inc. designs and manufactures industrial and commercial fans and blowers for industries and municipal treatment plants. Its 7,000 m^2 (75,000 sq. ft.) plant features CNC and NC production equipment, 20 t of crane capacity, machine shop, mapics, computerized production and a research and development facility with AMCA-style, and nozzle chamber fan testing units. Fans and blowers produced by CML include the high efficiency *Series 5000* and *Series 7600* Centrifugal Airfoil fans, *Series 7500* Airfoil Vent Sets, *Series 8500* Centrifugal Airfoil Swingout Fans, *Series 5000* Centrifugal BI Fans, *Series 7400* Vaneaxial Fans, and *Series 8400* Centrifugal Airfoil Plug Fans. CML's products are in use throughout Canada and the U.S.

Comcor Waste Systems Ltd.

400 Main Street East
Milton, Ontario
Canada L9T 4X5

Telephone: (416) 878-2371
Contact: Alexander Magditsch, Vice President

Comcor Waste Management Consultants, a division of Comcor Waste Systems Ltd., was established in 1985 to provide specialty engineering and consulting services in waste management and environmental engineering. Waste management services offered by Comcor include development and application of advanced waste disposal technology, design of solid waste disposal sites, development and evaluation of landfill operation and management plans, site selection and evaluation studies, and cost analysis of waste collection and disposal options. In hydrogeology and contamination, services include geologic and hydrogeologic investigations, design and implementation of surface and groundwater monitoring programs, soil contamination studies, and design of remediation programs. Other services include the design of landfill gas monitoring programs and venting systems, and feasibility analysis and design of landfill gas recovery and utilization systems.

Concord Scientific Corporation

2 Tippett Road
Toronto, Ontario
Canada M3H 2V2

Telephone: (416) 630-6331
Facsimile: (416) 630-0506
Contact: Gordon Howarth

Established in 1979, Concord Scientific Corporation is a leading professional service firm operating across Canada and serving clients worldwide in the field of environmental science and technology. Concord provides management, scientific research and development, engineering, and technical/laboratory services in the areas of hazard/risk assessment, risk management and emergency response planning; environmental assessment/ occupational hygiene; and atmospheric sciences/instrumentation development and testing.

The company's Hazard and Risk Control group develops and applies technology pertaining to chemical hazards and risks. Capabilities cover hazard identification, hazard assessment, frequency analysis, risk assessment, risk management and emergency response planning, as well as the development of dispersion models such as the internationally recognized *C.O.B.R.A.* and *Gascon* systems. Concord's Pollution Control department conducts programs that examine process emissions and waste discharges, air monitoring, environmental assessments, and regulation compliance. The Atmospheric Chemistry Division address emission inventory compilation and manipulation, instrumentation development and field studies, air quality data analyses, meteorological data analyses, dispersion/ receptor modelling, data base development/multiple data base compilation, quality control/quality assurance, literature review/bibliography, and effects and impact assessments.

Conspec Controls Ltd.

44 Martin Ross Avenue
Downsview, Ontario
Canada M3J 2K8

Telephone: (416) 661-0500
Facsimile: (416) 736-1684
Telex: 06-22213
Answerback: CON SPEC TOR
Contact: Livio Rattner, Marketing
Manager

Conspec Controls Ltd. was incorporated in 1969. In cooperation with CANMET and MSHA (the Canadian and American mining authorities), Conspec undertook a large research and development effort that culminated in 1981 with the introduction of the *Senturion 180 and 200 Control and Monitoring Systems* for industrial use. With numerous customers in Canada, the U.S. and Australia, Conspec is committed to product quality and customer support.

La Corporation Mabarex Inc.

6045, chemin Saint-François
Saint-Laurent (Québec)
Canada H4S 1B6

Telephone: (514) 334-6721
Facsimile: (514) 332-1775
Telex: 05-824268
Answerback: MABAREX MTL
Contact: Jacques Marquis, President

La Corporation Mabarex Inc. was established by specialists, each possessing 18 years' experience in water treatment systems. The company manufactures under licence and provides complete services in the provision of water and wastewater treatment plants. Mabarex, through its affiliate CAN-BEC Metal, also manufactures and sells water treatment equipment. Products include water treatment systems for industrial and municipal use, belt presses and clarifiers. The products are sold throughout North America, Africa and the Caribbean.

Crane Canada Inc.

5800, chemin Côte-de-Liesse
Montréal (Québec)
Canada H4T 1B4

Telephone: (514) 735-3592
Facsimile: (514) 340-9173
Telex: 05-826773
Contact: Michael Sherlaw, Product
Manager

Crane Canada Inc., established in Canada in 1906, operates in seven manufacturing locations throughout Canada and has offices and branches located in all major cities. The Valve and Industrial Division manufactures and supplies a wide range of valve products for the commercial and municipal construction industry, mining, pulp and paper, general manufacturing and waterworks industries. Among the company's valve products for the export market are cast iron AWWA valves and stainless steel wafer gate valves. All valves are pressure rated.

CSSA Environmental Consultants Ltd.

1500, rue Stanley, bureau 321
Montréal (Québec)
Canada H3A 1R3

Telephone: (514) 849-4369
Facsimile: (514) 284-2282
Telex: 055-62171
Contact: Sam Salley, Vice
President, Development

CSSA Environmental Consultants Ltd. offers specialty services in the aquatic sciences. CSSA's consultants specialize in biology, physics, geology and chemistry. Professional consulting services can be provided in a variety of languages (French, English, Spanish, Arabic, Italian and the Slavic languages), and include pre-feasibility and feasibility studies, preparation of resource inventories, preparation of capital and operating cost estimates, project supervision and management, preparation of performance specifications for turnkey contracts, and transfer of technology and training. Services have been provided to Canadian federal and provincial government agencies, national industries, and to the international market, principally in the U.S., North, Central and South America, Africa, and Asia.

Studies have included surveys—marine, mineral, groundwater and energy resources; environmental monitoring for water, pollution and marine life; oceanography; remote sensing; computer simulation and modelling; advanced science and technology projects; hydrographic surveys and interpretation; harbour design and maintenance; fisheries and aquaculture; sewage outfall studies; geophysical and seismic studies; environmental statement, assessment and impact studies; pilot demonstration projects; and statistical and quantitative analyses.

Cusco Fabricators Limited

305 Enford Road
Richmond Hill, Ontario
Canada L4C 3E9

Telephone: (416) 883-1214
Facsimile: (416) 883-1778
Telex: 06-986941
Contact: Steve Godwin, General
Manager

Cusco Fabricators Limited, established in 1969, manufactures an extensive range of equipment used in the removal of liquid, semi-liquid, solid and dry waste material. The equipment ranges in size from 450 to 18,000 L (100 to 4,000 gal.) mounted on truck chassis, to 4,500 to 40,500 L (1,000 to 9,000 gal.) mounted on semi-trailers. Vacuum systems on these tanks range from 3 to 114 m^3/min. (100 to 4,000 cu. ft./min.) and can be driven by various sources. Options such as high pressure wash systems, hydraulic dump systems, full opening back doors, and hydraulic vibrators are available.

In 1981, Cusco received certification from the U.S. Department of Transport, A.S.M.E. and National Board of Boiler and Pressure Vessel Inspectors allowing them to manufacture vacuum equipment used in the removal of hazardous waste materials.

Custom Equipment International (CEI) Inc.

7500, chemin Côte-de-Liesse
Montréal (Québec)
Canada H4T 1E8

Telephone: (514) 342-3220
Facsimile: (514) 342-6975
Telex: 05-824653
Answerback: RICHLER MTL
Contact: Max M. Richler, Director
of Marketing

Custom Equipment International (CEI) manufactures and markets the *Atlas* line of refuse collection equipment. CEI is currently updating its designs of stationary compactors in capacities from 0.75 m^3 (1 cu. yd.) to the largest transfer station compactors. The company manufactures transfer and push-out trailers and roll-offs. The truck mounted roll-offs load, dump, and unload open and closed containers. This system allows the vehicle operator to perform all functions without the need for cranes or additional personnel. There is also a series of integrated trailer roll-offs to permit maximum legal payloads for 6.7

to 11 m (22 to 36 ft.) long containers, for areas where limits are restricted. The complete line of customized transfer trailers is available in open top and closed configurations. Discharging is accomplished by an ejection blade that pushes the load out of the trailer, or by *HALLCO* live-floor unloading methods. Products have been exported to the U.S., South America, Europe and Africa.

Daigle Consultants—Combustion Inc.

4490, rue de la Promenade
St-Antoine-de-Tilly (Québec)
Canada GOS 2CO

Telephone: (418) 886-2383
Contact: Ghislain Daigle, President

Daigle Consultants—Combustion Inc., established in 1986, provides engineering services in combustion, incineration, water and wastewater treatment, energy recovery, and energy recovery combined with pollution control (dust and gas). The company specializes in combustion and environmental engineering. Consulting and design projects have included odor and polluted emissions control, dust collection, air quality, water and wastewater collection and treatment.

Deep Shaft Technology Inc.

700, 1207 - 11th Avenue S.W.
Calgary, Alberta
Canada T3C 0M5

Telephone: (403) 244-5340
Facsimile: (403) 245-5156
Telex: 03-827662
Answerback: SG CANADA CGY
Contact: Lyle Cuthbert, President

Deep Shaft Technology Inc. brings the deep shaft process of wastewater treatment to industries and municipalities across North America. This subsurface wastewater treatment process is capable of treating biodegradable domestic and industrial wastes. The process utilizes an inground, vertical aeration reactor of some 60 to 150 m (200 to 500 ft.) in depth. This orientation of the reactor takes advantage of high bottom hole hydrostatic pressure and provides greatly increased oxygen solubility and bioreaction rates while minimizing land usage and power requirements. The process was developed jointly by ICI of the U.K. and C-I-L Inc. of Canada. For the past 12 years, the technology has been employed successfully at numerous projects around the world. Now, the process is marketed exclusively in North America by Deep Shaft Technology Inc., a member of the Simmons Group of Companies. The company is based in Calgary, Alberta, and has a branch office in Toronto, Ontario.

Delta Catalytic Corporation

P.O. Box 5244, Station A
400 - 8500 MacLeod Trail South
Calgary, Alberta
Canada T2H 2N1

Telephone: (403) 258-6411
Facsimile: (403) 255-1421
Telex: 038-22509
Contact: Keith McCrae, Vice President, International Business Development

Established in 1966, Delta Catalytic Corporation provides complete engineering, procurement, construction and maintenance services through its subsidiary companies, Delta Projects Inc., Catalytic Maintenance Inc. and Dilcon Dillingham Projects Ltd. The companies and their 800 employees have completed projects throughout Canada, the U.S., the U.K., Europe and the Middle East.

Delta designed and constructed Canada's only hazardous waste treatment facility in Swan Hills, Alberta, as well as several water treatment facilities for the in situ heavy oil recovery industry.

Dempster Systems Ltd.

260 New Toronto Street
Toronto, Ontario
Canada M8V 2E8

Telephone: (416) 253-1750
Facsimile: (416) 253-2065
Contact: Duane Fast, Sales Manager

Dempster Systems Ltd., established in 1985, is the Canadian manufacturing operation in the Dempster Systems worldwide network. The Dempster product line has been manufactured in Canada for over 20 years. The company provides a complete line of solid waste handling equipment for refuse collection. The *ROUTE KING III* and the *ROUTECHIEF* are two of the best rear loading refuse collection vehicles on the market today. Also manufactured are front loaders, transfer trailers, transfer stations, container roll-off trucks, and specialized waste handling equipment.

DESOM Engineered Systems Limited

1611 Steeles Avenue West
Rexdale, Ontario
Canada M9V 4R9

Telephone: (416) 747-7793
Facsimile: (416) 736-9307
Contact: Gordon M. Weis, Vice President and General Manager

DESOM Engineered Systems Limited is a management and engineering company, specializing in overall project management—managing and directing Canadian and foreign consortiums for overseas and domestic projects; engineering consulting and design services; turnkey design, supply and installation; and manufacturing and supply of equipment. The company has primarily focussed on medium-sized, complex problems that require both unique engineering solutions and specialized expertise. Their field of interest includes industrial ventilation, environmental control (air and water), energy management and recovery, product recovery, combustion control, fume control systems, and fluid dynamic modelling.

The company's specific expertise includes design of systems and supply of equipment for primary fume control systems; secondary fume collection systems; development of dust free material handling systems; environmentally 'closed' smelters and iron and steel plants; engineered controls for hazardous materials; comfort heating, tempering and conditioning of critical work stations including relief of heat stress, air cooling and ventilation; and hydraulic modelling of unusual building designs, and configurations.

Dessau International Ltd.

1200, ouest boulevard Saint-Martin
Laval (Québec)
Canada H7S 2E4

Telephone: (514) 384-5660
Facsimile: (514) 668-9614
Telex: 05-268873
Contact: Pierre Laberge, President

Dessau International Ltd., originally established in 1957, is a supplier of integrated engineering, procurement, and construction services throughout the world. Dessau has the expertise and resources to conduct the environmental studies needed to identify and evaluate a project's impact or to develop appropriate measures to integrate the project into the overall environment (and thereby mitigate its effects). The company has conducted a vast array of studies, including studies to determine the most favourable sites for installing infrastructures for port facilities, highways, wastewater treatment plants, underground sewer networks and hydro-electric transformer stations, as well as evaluations of waterfowl habitats, evaluations of septic tank installations on the shorelines of lakes and rivers, analyses of water samples, and the effects of herbicide spraying programs. Internationally, Dessau has provided services throughout Asia, Africa, South America and the Caribbean.

DF Dickins Associates Ltd.

503A, 21 Water Street
Vancouver, British Columbia
Canada V6B 1A1

Telephone: (604) 684-0516
Facsimile: (604) 684-2357
Telex: 04-54247
Answerback: TELEFAX VCR
Contact: Aileen Cassidy,
Vice President

DF Dickins Associates Ltd. has ten years' experience in providing international consulting services directed to solving marine environmental problems in cold regions and temperate climates. The company is recognized as a North American leader in specialized environmental consulting areas, and markets its services worldwide.

The company manages major research programs involving specialists in many scientific disciplines. It designs field programs to acquire baseline data. Analytical studies use a variety of data sources including remote sensing and satellite imagery. The company's products and services include Marine Atlases—which provide unique syntheses of information on the physical environment, biological resources, human use and oil spill countermeasures; Marine Transportation Systems—which are tied to statistical descriptions of the marine environment; Environmental Design Criteria— developed for those involved in the design and certification of offshore marine structures and vessels, and planning offshore lease acquisitions; and International Conferences and Seminars —organized in fields related to the marine environment and which extend to editing, publishing and distribution of proceedings.

Dianco Steel Ltd.

45 Observatory Lane
Richmond Hill, Ontario
Canada L4C 8K9

Telephone: (416) 883-3100
Facsimile: (416) 883-9222
Contact: Ron E. Suwala, General
Manager

Established in 1977, Dianco Steel Ltd. is one of the leading companies in the metal fabrication industry, providing top quality workmanship, excellent service and competitive pricing, as well as online equipment such as a 600 t, 5 m (16 ft.) press-brake.

Dianco's metal fabrication department specializes in carbon steel, stainless and aluminum fabrication of platework and process equipment, heat transfer equipment and furnace enclosures for the heavy industries. This department builds, assembles, tests and services custom designed equipment—material handling equipment, piping and filter units for water purification and sewage plants, conveyor systems for mining and cement plants, as well as numerous heavy weldments for various industries. The plant area for fabrication and manufacturing totals 1,400 m^2 (15,000 sq. ft.) and is located in Toronto. Five overhead cranes with a lifting capacity in excess of 10 t, service three bays. All welding conforms to Z-299.3 level to ensure top quality performance. Multipunching, custom forming and bending, M.I.G. welding, sandblasting and epoxy coatings constitute other areas of expertise.

Dipix Technologies Inc.

1050 Baxter Road
Ottawa, Ontario
Canada K2C 3P1

Telephone: (613) 596-4942
Facsimile: (613) 596-4914
Telex: 0533651
Contact: John Keats, General
Manager

Dipix Technologies Inc. specializes in advanced display and processing technology for image analysis. Dipix manufactures an innovative line of electronic display systems and image analysis systems, together with an extensive library of software packages which support image processing and other applications. The technology features image display flexibility, processing, speed, software functionality, expandability, simple operation and system support. Dipix produces the *ARIES* turnkey image analysis system, *ARIES-III Plus* which provides new functionality with an advanced 1024 high resolution windowing display subsystem and multi-user software packages, and *MicroARIES*, an entry level, single display, DEC VAXstation based system, which can be configured as a network workstation or a stand-alone system. Dipix systems are installed in a growing number of major centres throughout the world, with users in universities, research organizations, survey and exploration companies, and various government mapping and remote sensing agencies. Over 200 Dipix systems are installed in 22 countries.

Dresser Canada, Inc.

Box 40, Worthington Drive
Brantford, Ontario
Canada N3T 5M5

Telephone: (519) 753-7381
Facsimile: (519) 753-0845
Telex: 061-81165
Answerback: WORTHCAN BTFD
Contact: J.P. Kenney, Director of
Marketing

Since 1963, Dresser Pump Division of Dresser Canada, Inc. has researched, designed, developed and manufactured products, primarily for the pulp and paper, mining, and the process industries (petroleum, petrochemical and chemical). Products have been installed and are operating in over 70 countries on every continent, backed by local support services from a vast network of representatives, distributors, agents and repair centres.

Dresser's Brantford operation has a world product mandate for paper stock/process pumps; abrasive slurry pumps; rotary twin screw pumps, internal or external bearing design; rotary gear pumps, internal or external bearing design; rotary gear pumps, internal bearing design; vertical sump pumps, bottom bearing and cantilever design; and mixed flow centrifugal pumps, designed for soft solids handling. The process pump and the slurry pumps have been used extensively in scrubber systems designed for the electric utility coal fired steam generating stations. The centrifugal pump is designed specifically for pollution control and waste treatment systems. The vertical sump pumps use the same liquid ends as the horizontal units and are suitable for effluent and wastewater services.

Dynapro Systems Inc.

1000 - 1200 West 73rd Avenue
Vancouver, British Columbia
Canada V6P 6G5

Telephone: (604) 263-2638
Facsimile: (604) 263-1407
Telex: 04-352848
Contact: Tom Dodd, Sales Manager

Dynapro Systems Inc. (DSI), established in 1976, designs and manufactures hardware and software products that are used primarily in the industrial process control market. These products involve realtime data collection and processing, interactive graphics as applied to user interfaces, as well as a variety of communications techniques and protocols. Although DSI's original strength lies in the process control field, its products are equally applicable to any areas that require control, communications and graphics expertise. DSI also offers the services of its well-equipped plant and highly trained team to companies with electronics manufacturing needs.

The company has a number of new products currently under development. These include applications and utility software, I/O system controllers and interfaces, as well as industrial networking and communications products. DSI's broad range of products are distributed in the U.S. by Allen-Bradley Co. of Cleveland, Ohio, a Rockwell International company.

E.V.S. Consultants Ltd.

195 Pemberton Avenue
North Vancouver, British Columbia
Canada V7P 2R4

Telephone: (604) 986-4331
Facsimile: (604) 662-8548
Contact: Dr. Gary Vigers, President

E.V.S. Consultants Ltd. was incorporated in 1974 to provide consulting, contract research and toxicology testing services to government and industry. The company has offices in North Vancouver, B.C. and in Seattle, Washington, and maintains over 700 m^2 (7,500 sq. ft.) of biological laboratory space equipped with flowing fresh and salt waters, and fully equipped taxonomic and microbiological laboratories. Research is undertaken in the areas of environmental toxicology and chemistry, bioassays, fisheries (freshwater, marine and aquaculture), marine biology, and environmental impact assessment. The company leads the Canadian environmental consulting sector in journal publications, its senior staff providing state-of-the-art knowledge in these areas. The emphasis of this research is on aquatic environments and environmental toxicology. One-on-one training has been provided to Asian scientists in environmental assessment, monitoring, and control methodology and techniques.

In North America, projects are being undertaken from Alaska to San Diego, and from British Columbia to Ontario, addressing wide ranging aspects of integrated coastal resource management, aquaculture, fisheries resources, pollutant discharge, sanitation, forestry, pulp and paper, mining and uplands development. Overseas international projects have included project identification/formulation of marine research programs and resource inventory missions.

Eaglebrook Environmental Corporation

2650 Royal Windsor Drive
Mississauga, Ontario
Canada L5J 1K7

Telephone: (416) 822-5836
Facsimile: (416) 822-3178
Contact: Sydney Chen, President

Incorporated in 1981, Eaglebrook Environmental Corporation, an extension of Waste Management Services of Chicago, acquired sales and marketing rights for Ferric Chloride from Diversey Environmental Products and commenced marketing iron in solution (Ferric Chloride, Ferrous Chloride and Ferrous Sulphate) to water and wastewater applications for coagulation, flocculation and nutrient removal. The advantages include lower costs and more positive performance over a broader temperature and pH range than competitive products.

Eaglebrook now serves most of the major cities and regions of Ontario, Quebec and upstate New York and has plans to expand to the maritime provinces of Canada and the American eastern seaboard in the near future.

EBFLO Industries Inc.

11 - 44335 Yale Road West
Chilliwack, British Columbia
Canada V2R 1A9

Telephone: (604) 795-4432
Facsimile: (604) 795-4431
Contact: S. Moza, Director

EBFLO Industries Inc. was established in 1989 to develop and test system applications for, and to manufacture *EBFLO*™—a delivery/collection system for fluids and gases. The *EBFLO*™ is a light-weight, durable sheet which can be used in sizes ranging from less than one square metre to several square kilometres. The product, developed by Easy Grow Products Inc., is available in Canada and worldwide.

EBFLO™ has numerous irrigation and pollution control applications, including reclamation of contaminants from hazardous waste sites and soils emitting toxic fumes; water filtering and purification (municipal, industrial and domestic applications); detection of leaks in underground storage tanks; detection/collection of gases in pipes; water recycling to extend the area of influence of a water bearing zone to assist in arid environments—assists in the development of a 'greenbelt area' from industrial, landfill and previously undesirable locations.

Eco-Tec Limited

925 Brock Road South
Pickering, Ontario
Canada L1W 2X9

Telephone: (416) 831-3400
Facsimile: (416) 831-3409
Telex: 06-3666
Answerback: TO23:XET101
Contact: Mike Dejak, Vice President,
Marketing and Sales

Eco-Tec Limited is a leader in the field of waste minimization involving chemical recovery and purification systems for the metal finishing industries. Established in 1971, Eco-Tec has used its unique patented *RECOFLO* short bed ion exchange process in a variety of applications. Over the years, other technologies have been developed and acquired in order to provide complete state-of-the-art recovery systems.

Products include systems for recovery of chromic acid, nickel, copper and zinc from metal finishing wastewaters. These systems allow metal finishers to meet effluent guidelines without producing hazardous waste sludges. Other systems for purification of acids (such as sulphuric, nitric, hydrochloric, nitric/hydrofluoric and chromic) eliminate the need for periodic disposal of metal process baths such as pickling, anodizing, etching and plating. Eco-Tec's products are used by the metal finishing industries including electroplating, aluminum anodizing, steel and stainless steel processing, and printed circuit board manufacturing. Products are exported worldwide. Eco-Tec (Europe) Ltd. in the

U.K. manufactures for the European market.

ECOLO Odor Control Systems Inc.

1222 Fewster Drive, Unit 8
Mississauga, Ontario
Canada L4W 1A1

Telephone: (416) 625-8664
Facsimile: (416) 625-8892
Contact: Calvin Sager, General Manager

ECOLO Odor Control Systems Inc. was established in 1979 to manufacture and supply fully automated odor control equipment. The company manufactures a full line of dispensing units and chemicals for control of commercial, residential, and industrial odors. The *ECOL-O-MATIC* system can stand alone or can be fed through central ducting. The various models of the odor control systems are sold throughout Canada, the U.S., and Australia.

ECS—Power Systems Inc.

112 Kent Street, 15th Floor, Tower B
Ottawa, Ontario
Canada K1P 5P2

Telephone: (613) 236-3920
Facsimile: (613) 236-5614
Telex: 053-3806
Answerback: ECS OTT
Contact: V.R. Sligl, Vice President, Business Development

ECS - Power Systems Inc., established in 1984, is one of the ECS Group of Companies. The ECS Group brings together recognized expertise in many high technology related areas including specialized power plants, nuclear reactors, ship designs, energy conversion systems, computer-based control and communication systems, and specialized computer hardware and software. The Group benefits from longstanding cooperative arrangements with internationally recognized high technology firms in the nuclear, marine and computer fields. Their products and services are available to the world markets.

Services provided include power system design and engineering, nuclear reactor design and engineering, marine studies, marine construction and supervision; realtime computer-based control systems; scientific, technical, engineering and computing services; economic and cost/benefit analysis; feasibility studies; computer and engineering consulting services; and contract design, drafting, personnel services in all engineering disciplines. Their products are *AMPS*—nuclear based Autonomous Marine Power Source for marine/naval applications; *ORC*—Organic Rankine Cycle System for waste heat recovery; *DFTS*—PC based Distributed Fault Tolerant System for control applications; *NAWS*—Hull Stress Monitoring System for Arctic navigation; *CARMA*—Electronic Engine Analyzer; and *LANJET—LAN ARCNET* Network Interface Card and other computer hardware.

Emery International Developments Limited

340 Ferrier Street, Suite 1
Markham, Ontario
Canada L3R 2Z5

Telephone: (416) 470-6066
Facsimile: (416) 470-6505
Telex: 06-986105
Answerback: ROYEMERY MKHM
Contact: Roy Emery, Chairman

Emery International Developments Limited is a company of engineers, contractors and manufacturers and was established in 1974. Emery's products and services include the reduction or elimination of waste effluents from pulp and paper and metallurgical plants, and the recycling of waste papers. The company offers turnkey projects for entire manufacturing plants for pulp and paper and moulded products, or separate services including waste paper recycling and effluent treatment or elimination for the environmental protective departments. Emery has supplied, designed and sold whole factories in North and South America, the Caribbean, Middle and Far East Asia, and western Europe, including Norway, Sweden, and Finland. Supplementary services have been provided in Portugal and Denmark.

Endur Systems Inc.

425 Enfield Road
Burlington, Ontario
Canada L1T 2X5

Telephone: (416) 632-7827
Facsimile: (416) 632-4966
Contact: D.K. Watkins, President

Endur Systems Inc. was originally formed in 1970 to provide a maintenance service for baghouse dust collectors. The company was reorganized in 1984 and now provides a full range of services including system evaluation, design, supply and installation. The supply of parts and service labour for all types of dust collection systems remains an integral part of their product offering. Endur's products and services include engineering for feasibility and design of dust, smoke and fume collection systems; maintenance service labour and parts for all types of dust collection equipment; dust collection systems (baghouses/dry filtration) from 28.5 to 2,280 m^3/min (1,000 to 80,000 cu. ft./min) per module. These products and services are sold throughout Canada and the U.S.

Enervac Corporation

700 Franklin Boulevard
Cambridge, Ontario
Canada N3H 3V7

Telephone: (519) 623-9890
Facsimile: (519) 623-8250
Telex: 069-59443
Answerback: ENERVAC CMBG
Contact: John Cheshire, Vice President, Sales

Enervac Corporation, formed in 1978, specializes in oil conditioning and reclamation. Enervac manufactures products that extend the life of hydraulic, lubricating and insulating oils, as well as equipment for the removal of PCBs from insulating oils. Engineered and manufactured are vacuum oil purifiers, turbine oil purifiers, vacuum oil dehydrators which vaporize water from oil under vacuum after filtration, Fuller's Earth Filtration System seal oil purifiers (vacuum degasifies and dehydrates oil after filtration), and waste oil recovery systems. Power authorities, utilities and large manufacturing companies in the U.S. and South Pacific region are Enervac's major clients.

Engineering Dynamics Ltd.

Highway 15
Carleton Place, Ontario
Canada K7C 3P1

Telephone: (613) 257-5450
Contact: William E. Pick, President

Engineering Dynamics Ltd. was founded in 1982 and currently holds worldwide patents on several critical facets of the *DYNAMIC* Electronic Air Filters that the company manufacturers and markets. Motivated by the theory that efficient air cleaning need not require the large, bulky and expensive air cleaners that have been on the world markets for several decades, the company has developed, with the help of new technology, electronic air filters that are 2.54 cm (1 in.) wide and very affordable.

These air filters in a circulating hot/cold air system will remove 95 to 97 percent of particulates of one micron in size or larger, and 75 percent of those that range from .5 microns to 1.0 microns. For light industrial use, the *DYNAMIC* line of electronic air cleaners includes the 5 cm (2 in.) panel filters for insertion into the air flow of any air moving equipment, and the ceiling mount overhead model that features a non-ionizing filter and silent operation. The company's products are sold worldwide through a large network of distributors.

Enpoco Ltd.

405 Midwest Road
Scarborough, Ontario
Canada M1P 3A6

Telephone: (416) 751-9007
Facsimile: (416) 751-9608
Contact: John Emberson, President

Enpoco Ltd., established in 1970, is a prominent plumbing drainage specialty manufacturer which is in the process of merging modern electronic and plumbing technology to advance point source wastewater treatment. Enpoco's products are exported to the U.S. and to numerous countries in Asia.

The company's products include oil, grease and hydrocarbon separators with level monitoring systems and shut-off valves; acidic wastewater neutralizing systems with pH monitoring and fail safe shut-off valve; and custom designed wastewater neutralizing systems. Designed for industrial and institutional use, Enpoco's ultronic systems help prevent the spilling of oily, greasy or acidic wastes into the environment or the sewer system by detecting their presence and shutting off the unit outlet.

Envirodata Ltd.

2162 Winchester Court
Burlington, Ontario
Canada L7P 3K7

Telephone: (416) 335-8478
Contact: E.D. Ongley, President

Envirodata Ltd., established in 1981, manufactures water and sediment sampling equipment based upon Canadian and U.S. patents. The equipment, developed and tested at a major Canadian university since 1973, is now in use for industrial applications throughout Canada, in Switzerland and the U.S. Envirodata manufactures the *SEDISAMP SYSTEM-II*. This lightweight, field portable system is widely used for dewatering suspended fine grained mineral and organic particles in ambient and effluent waters. Applications are for contaminant analysis and toxicity assessment of clarified water and of suspended matter. The *SEDISAMP* uses a high speed industrial clarifier which is specially designed for portable use. Envirodata provides research level consulting services on monitoring protocols for assessing environmental impacts of effluents.

Environomics Inc.

C.P. 582
Beaconsfield (Québec)
Canada H9W 5V2

Telephone: (514) 695-7172
Facsimile: (514) 695-2108
Contact: René J. Brimo, President

Environomics Inc. is a leading manufacturer of silver recovery systems. The patented technology is considered by the authorities of this industry to be state-of-the-art. It is an indispensable tool for complying with environmental concerns resulting from the processing of film and photosensitive material. A complete line of *Digitron* Silver Recovery Systems is produced. The benefits include recovery of substantially more silver than conventional systems, reduced fixer consumption, facilitation of user compliance with federal EPA standards, and cost effectiveness. Environomics serves the graphic, micrographic, photographic, radiographic and reprographic industries in Canada, the U.S., western Europe, Asia and Australia.

Equifab Inc.

2845, rue de l'Industrie
St-Mathieu-de-Beloeil (Québec)
Canada J3G 4S5

Telephone: (514) 464-4242
Facsimile: (514) 464-9704
Telex: 05-268503
Contact: Louis Allard, Vice President

Equifab Inc., established in 1976, is a manufacturer of dust collection equipment designed especially for drilling equipment. Used in mines, quarries and other places where excessive air pollution caused by dust is created, the *EQUIVAC* range of equipment complements the drilling equipment. *EQUIVAC* is compact, light, powerful, efficient, economical, and entirely automatic. The design of its patented primary filter eliminates the water and large cuttings which make up 40 to 60 percent of the total waste. This decreases the wear and tear on the conduit hose as well as on the secondary filter. The secondary filter operates dry. Filter cleaning is done automatically.

Equipements Renovation Aqua Inc.

440, rue Papin
Ste-Foy (Québec)
Canada G1P 3T9

Telephone: (418) 656-9767
Facsimile: (418) 653-5746
Telex: 058-21883
Contact: Roger Bissonnette,
President

Equipements Renovation Aqua Inc. was incorporated in 1983 to manufacture and market the equipment developed by Renovation Aqua Inc., a service company specializing in the maintenance and rehabilitation of aqueduct and sewer lines. The company manufactures pneumatic plugs for aqueduct and sewer lines, as well as equipment used for testing and injection repair of defective joints and other breaks in sewer lines. Their products are sold worldwide and the company is represented in the U.S. by its subsidiary company, American Logiball Inc.

Erectoweld Co. Ltd.

586 Third Line
Oakville, Ontario
Canada L6L 4A7

Telephone: (416) 825-1371
Facsimile: (416) 845-9223
Contact: Stephen Carr, Manager,
International Sales and
Marketing

Since its founding in 1968, a basic aim of the Aquamarine division of Erectoweld Co. Ltd. has been to tackle the problems of aquatic plant control. The design engineering team at Aquamarine is continually upgrading and improving its harvesting equipment to treat the problem of explosive growth of aquatic plants caused by the uncontrolled addition of nutrients to the water.

Aquamarine's water management products feature a complete range of harvesters, trailers, trailer conveyors, and shore conveyors. The harvesters range from those most suitable for canals and small ponds to those used for general harbour maintenance and which also collect floating trash, excavate shoreline and the water-body bed, aid in oil spill recovery and ship maintenance, and transport materials. From its offices in Canada and the U.S. and through dealers in every continent, Aquamarine products are sold and serviced worldwide.

Exploranium G.S. Limited

55 Healey Road
Bolton, Ontario
Canada L7E 5A2

Telephone: (416) 857-3670
Facsimile: (416) 857-3679
Telex: 06-969614
Answerback: EXPLOR BOL
Contact: John R. Cox, President

Formed in 1968 and specializing in nuclear instrumentation, Exploranium G.S. Limited offers products for environmental and industrial radiation monitoring. Exploranium's products include specialised industrial equipment for the identification of very low level radioactive material in scrap steel or industrial waste, portable (very high sensitivity) detection equipment, portable spectrometers for isotope identification, and scintillometers/spectrometers. The company exports to the U.S., Australia, the U.K. and other European countries.

Farr Inc.

2785, avenue Francis-Hughes
Laval (Québec)
Canada H7L 3J6

Telephone: (514) 384-6401
Facsimile: (514) 662-6035
Contact: M. Foley, Director,
Marketing

Established in 1950, Farr Inc. manufactures air filtration equipment, dust collectors and large dampers. Farr's primary concern is the filtration of air for the protection of people and also for the protection of machines such as gas turbines, large diesel engines, and compressors. Their industrial products include the *Tri Mist* Oil Mist Collector, *Mark III* Aspirated Cartridge Dust Collection System, FD Cyclones high efficiency centrifugal particulate separators, *TENKAY* self-cleaning air filters for gas turbines, and backdraft and pressure relief dampers. The company serves markets in every major industry—pulp and paper, railroads, mining, large highway trucks and off-highway machines, power generation, oil and gas transmission and the base metals industry. Their products are exported to every continent.

Felco Industries Ltd.

15 Connie Crescent
Concord, Ontario
Canada L4K 1L3

Telephone: (416) 669-5950
Facsimile: (416) 669-1609
Telex: 06-964673
Contact: L. Di Clementi

Since 1981 Felco Industries Ltd. has manufactured liquid filtration equipment and supplies to the chemical, pulp and paper, food processing, water purification, automotive, and mining industries as well as to offshore and well drillers. The company has over a dozen products on the market and is rapidly growing in size and recognition as one of the leading Canadian suppliers of liquid filtration equipment.

Felco's Bag Division manufactures a comprehensive line of micron-rated filter bags designed to meet the requirements of all types of liquid filtration applications. These bag styles include felt, multifilament mesh, and monofilament mesh. The Wedge-wire Screen Division produces wedge-wire metal screens designed to give high strength and high wear resistance. The screens are usually custom designed to fulfill such functions as sizing, dewatering, media retention and many other liquid-solid separation functions. The Units Division manufactures all filter units: replacement bag filter units, basket strainers, modular automatic and manual filter units, gravity strainers, dual filter and strainer units, treatment media retention products, and custom designed filter units.

Filtration Textiles Inc.

850 Legion Road, Unit 2
Burlington, Ontario
Canada L7S 1T5

Telephone: (416) 336-0001
Contact: Jim Reynders, President

Filtration Textiles Inc. was established in 1985 to serve those industries that have a specific filtration need (usually on a rush basis) for items not readily available in the marketplace. The company is fully equipped to manufacture all types of filterbags and related filtration items, such as dust collector bags, filterpress cloths, venting socks and connector sleeves. All products are manufactured to the clients' specifications or to those recommended by the original equipment manufacturer.

Fonderie Grand'Mère Ltée

888, 7ᵉ avenue sud
Grand'Mère (Québec)
Canada G9T 5L1

Telephone: (819) 538-3314
Facsimile: (819) 538-3788
Contact: Paul Marot, President

Fonderie Grand'Mère Ltée has been producing cast iron and iron alloy castings ranging in weight from less than 0.5 to more than 2,000 kg (1 to 5,000 lb.) for industry and municipalities for over 70 years. Each year their foundry produces more than 3,000 tons of cast iron products for customers in Canada and the U.S., such as manhole covers. The raw materials used to make their castings are carefully selected and controlled. The company will custom mold if existing molds are not suitable. Quality parts are produced for water and sewage systems and for the chemical, paper, forestry, and aluminum industries.

G.E.T. Industries Inc.

P.O. Box 640
98 Rutherford Road
Brampton, Ontario
Canada L6V 2L6

Telephone: (416) 451-9900
Telex: 06-963548
Answerback: BCI TOR
Contact: W. David Martin, President

G.E.T. Industries Inc. specializes in the manufacture of comminutors. These water pollution control devices are used throughout the world to shred sewage solids without removal from the liquid. Applications include sewage treatment plants, sea outfalls, package sewage treatment plants, pumping stations, and industrial discharges. Their comminutors function automatically and continuously 24 h/d in most plants. Typically, two units are installed—one as a standby with a bar screen providing a by-pass option. Grit removal facilities or grit traps upstream from comminution equipment will lengthen operating life and reduce maintenance costs. The 'rotation' feature enables stationary cutting bars to be reversed rather than replaced with a new cutting bar. Thus, spare cutting bars are 'built in' as standard equipment. All these features and more give the G.E.T. comminutors an exceptional service record, reduced shutdown frequency, and low maintenance requirements.

Gartner Lee Limited

140 Renfrew Drive
Markham, Ontario
Canada L3R 8B6

Telephone: (416) 477-8400
Facsimile: (416) 477-1456
Telex: 06-986278
Answerback: GLAL MKM
Contact: Tom Hilditch, Marketing Coordinator

Since incorporation in 1972, Gartner Lee Limited has steadily evolved to a multidisciplinary consulting team offering professional services in environmental management. Services include environmental strategies, resources planning, land reclamation, waste management, hydrogeology, biology, water quality, engineering geology, and spill response. Projects have included landfill location studies; studies involving the migration of methane gas, solid waste leachate and toxic and hazardous waste; clean-up and emergency response for situations such as train spills of acid and fertilizer and the removal of hydrocarbon products from the soil and groundwater. Gartner Lee has completed over 2,000 projects in Canada, South America, the U.S., West Germany, Switzerland and Asia.

Geophysics GPR International Inc.

2545, rue Delorimier
Longueuil (Québec)
Canada J4K 3P7

Telephone: (514) 679-2400
Facsimile: (514) 521-4128
Telex: 055-60495
Contact: Dan Coch, Director, Special Projects

Geophysics GPR International Inc. has helped to improve treatment of wastewater since 1974 and has evaluated the long-term safety of solid waste storage sites and planned sanitary facilities. Through geophysical studies, the company solves the problems of environmental pollution associated with mining operations. In order to define a problem in its entirety, GPR uses a number of complementary techniques. Georadar, aerial photography or satellite imagery, and a series of sophisticated measurement techniques allow better understanding of the environment. GPR's researchers have developed high-resolution seismic techniques for locating landfill sites and finding underground water tables. Advanced instruments are used by GPR professionals to locate marine, surface or underground pollution sources.

GeoVision Corporation

350 - 1600 Carling Avenue
Ottawa, Ontario
Canada K1Z 8R7

Telephone: (613) 722-9518
Facsimile: (613) 722-5385

GeoVision Corporation is a privately owned company and a member of Kinburn Technology Corporation—an $870 million technology management company. Thirteen years' service to the mapping and geoprocessing market has enabled GeoVision to become a leader in the industry. GeoVision has been providing solutions to geographic information management challenges of federal, state and local governments, utilities, and hydrographic organizations around the world since 1974. The company has created a new approach to geographical information systems (GIS) based on state-of-the-art technology.

Giffels Associates Limited

30 International Boulevard
Rexdale, Ontario
Canada M9W 5P3

Telephone: (416) 675-5950
Facsimile: (416) 675-4620
Telex: 06-989215
Contact: V.P. Wanko, Chairman

Giffels Associates Limited, consulting engineers and architects, was established in 1949 and is an innovator in its fields of operation. The personal involvement of its staff ensures that concern, professionalism, enthusiasm and team spirit create a unique organization to better serve its clients. The company provides a total service from initial feasibility studies through commissioning and serves the industrial, municipal, commercial, and institutional sectors with specialized services in all phases of design including architectural, structural, mechanical, electrical, transportation instrumentation and controls, stormwater management, sewerage systems, water systems, environmental assessment and control, and project and construction management. There is a heavy emphasis on the employment of 'smart tools' and a substantial commitment to computer aided design and drafting (CADD).

Glegg Water Conditioning, Inc.

29 Royal Road
Guelph, Ontario
Canada N1H 1G2

Telephone: (519) 836-0500
Facsimile: (519) 837-3067
Telex: 06-956562
Answerback: GLEGG WATR
Contact: Mark Huehnergard, Business Development Manager

Glegg Water Conditioning, Inc. has designed and manufactured large, custom engineered water conditioning systems for industrial and utility customers for the past 10 years. Products include filters, softeners, de-alkalizers, demineralizers, decarbonators, reverse osmosis units, ultrafiltration equipment, condensate polishers, neutralization systems, chemical injection stations, and related water treatment equipment. The flow rates handled range from 90 L/min (24 U.S. gal./min) in some cases, to in excess of 14,000 L/min (3,600 U.S. gal./min) in others.

Every system built is custom engineered. Glegg's customers include all market sectors such as the electronics industry, petrochemical, pharmaceutical, pulp and paper and utility clients. Glegg's pure water treatment products and services are provided to the U.S., Australia and Asia.

Golder Associates Ltd.

170 Atwell Drive, 6th Floor
Rexdale, Ontario
Canada M9W 5Z5

Telephone: (416) 675-7341
Facsimile: (416) 674-9507
Telex: 06-989582
Answerback: GOLDISLE TOR
Contact: F.J. Heffernan, Group Vice President

Golder Associates Ltd. is an international consulting engineering firm specializing in geotechnical engineering and applied geosciences. Founded in 1960, the company has established a network of 26 permanent offices across North America, the U.K. and Australia, and primarily serves the mining companies, local and regional governments, nuclear regulatory agencies, and chemical and manufacturing industries. The company has been active in a total of 80 countries on a wide spectrum of geotechnical assignments, including foundation engineering, groundwater evaluations, secure management of wastes, stabilizing landslides, analysis of underground openings and mining geotechnics.

A complete range of consulting services related to waste management technology, geotechnical and hydrogeological investigations, construction control and quality assurance support are provided. Services include terrain analyses, subsurface investigations in soil and rock, physical and chemical groundwater monitoring, site selection, design and evaluation of remedial measures at waste disposal facilities and spill sites and closed facilities, verification of monitoring to ensure compliance with regulatory requirements, design and construction control of tailings dams and mine waste disposal, and design of facilities for nuclear waste isolation.

Gore & Storrie Limited

255 Consumers Road
North York, Ontario
Canada M2J 5B6

Telephone: (416) 499-9000
Facsimile: (416) 499-4687
Telex: 062328
Contact: John C. Anderson, Vice President

Gore & Storrie Limited (G&S) is one of Canada's oldest consulting companies and specializes exclusively in environmental engineering. Founded in 1919, G&S has designed numerous water treatment systems, sewerage schemes and wastewater treatment plants in Canada and has been involved in diverse industrial pollution abatement projects, solid and hazardous wastes management, sludge incineration and energy recovery projects.

G&S capabilities are repeatedly demonstrated in North America, Europe and Asia with award-winning projects, such as North America's first major underground water purification plant—a 300,000 kl/d (75 USMGD) facility constructed in a park setting. G&S was the first Canadian consulting engineering firm to employ large scale thermal conditioning of sewage sludge featuring a closed-loop energy system. A hybrid anaerobic treatment process developed to treat high strength industrial and municipal waste while generating significant amounts of fuel gas, won G&S the top honour in the 1986 Canadian Consulting Engineering Awards Program.

Their largest wastewater project is Toronto's Main Treatment Plant with a present capacity of 960,000 kl/d (240 USMGD)—the largest activated sludge treatment plant in Canada.

Gregory Geoscience Limited

1794 Courtwood Crescent
Ottawa, Ontario
Canada K2C 2B5

Telephone: (613) 224-9565
Facsimile: (613) 722-7500
Contact: A.F. Gregory, President

Gregory Geoscience Limited was established in 1973 to develop and practice multidisciplinary methods of analyzing the regional environment and exploring for natural resources. The company specializes in the analysis of remote sensing, correlative data and field observations, and offers a broad range of skills and experience in remote sensing, geology, geophysics and geography; land cover, agriculture, water and forests; mineral exploration; temperate, arid, tropical and arctic regions; visual and automated interpretation; and digital analysis. Interpretive and/or field experience has been acquired in numerous countries worldwide. In particular, Gregory Geoscience has completed change detection and/or map revision for over 50 percent of Canada.

The company has developed an economical Geographic Information System that merges aerial photographs, satellite images and microfiche of maps. This PROCOM system has been used to map a wide variety of themes including land cover, geology, crops, forest depletions, and snow and ice, as well as to detect changes and to revise topographic maps.

Guildline Instruments Ltd.

Box 99, 21 Gilroy Street
Smiths Falls, Ontario
Canada K7A 4S9

Telephone: (613) 283-3000
Facsimile: (613) 283-6082
Telex: 053-3028
Answerback: GUILDLINE SMF
Contact: C.G. Bell

Guildline Instruments Ltd. is a leader in the field of electrical meteorology. Established in 1957, Guildline exports its products worldwide. Guildline supplies instrumentation and standards to the national standards laboratories of 46 nations and is known internationally for its instruments that make measurements outside of the precision and accuracy of conventional instrumentation. Products range from DC current comparator bridges and potentiometers with a resolution of one part in 10 million, to their new AC-DC Thermal Transfer Standard which provides a degree of AC measurement never before attainable in a commercially available instrument. The research and development section of Guildline is devoted primarily to the field of oceanography. A full range of oceanographic instrumentation is produced providing continuous vertical profiles of sea temperature and salinity as functions of depth with an unprecedented degree of precision and accuracy.

H. Fontaine Ltd.

1295, rue Sherbrooke
Magog (Québec)
Canada J1X 2T2

Telephone: (819) 843-3068
Facsimile: (819) 843-1006
Telex: 05-836231
Contact: Pierre-Luc Arsenault, Vice President, Marketing

H. Fontaine Ltd., established in 1974, manufactures slide and sluice gates, flap gates and submersible pumps for sewage and water treatment plants. Their products are sold to municipalities and industries throughout Canada and will soon be available internationally. Fontaine gates feature an all stainless steel construction. Fontaine pumps, also made of stainless steel (housing and impeller), have a longer life due to their high corrosion resistance. Fontaine pumps are oil-cooled as opposed to less efficient wastewater cooling.

H.A. Simons Ltd.

425 Carrall Street
Vancouver, British Columbia
Canada V6B 2J6

Telephone: (604) 664-4315
Telex: 04-51150
Contact: Svein Bjordal, Vice President, International

H.A. Simons Ltd. was founded in 1944 to serve the pulp and paper industry. Since its inception, the company has expanded its fields of expertise to water resource and hydroelectric development, materials handling and process automation. A complete range of services and design disciplines are offered by H.A. Simons including strategic planning, feasibility studies, capital cost estimating and conceptual design, detail engineering, project management and construction and operational management services for forest industry projects as well as a wide range of services for water resource development projects.

The company has offices in Canada, the U.S. and in Australia. Simons also has joint ventures in Brazil (Natron-Simons), New Zealand (Beca-Simons), Seattle, Washington (Diamond Automation) and Calgary, Alberta (PCL-Braun-Simons).

H.H. Angus & Associates Ltd.

1127 Leslie Street
Don Mills, Ontario
Canada M3C 2J6

Telephone: (416) 443-8200
Facsimile: (416) 443-8290
Contact: Bruce Smith

H.H. Angus & Associates Ltd. is a large consulting engineering company, founded in 1919. The primary focus of the company is mechanical and electrical consulting engineering, and project management for large industrial, institutional and commercial projects. A secondary service is the operation and maintenance of large projects. The company has engineered and managed the construction of numerous world-renowned facilities. One project of specific interest is the Health Protection Building in Toronto where countless environmental issues, such as bacterial containment have been addressed.

Hamilton Thermal Specialties Ltd.

422 Seaman Street
Stoney Creek, Ontario
Canada L8E 3P3

Telephone: (416) 664-2396
Facsimile: (416) 561-0323
Contact: A.J. Connell, Vice President, General Manager

Hamilton Thermal Specialties Ltd., incorporated since 1963, is engaged in the design, manufacture and servicing of industrial heat transfer equipment, such as curing ovens, process furnaces, recuperators, and fume incinerators. Since 1978, Hamilton Thermal has also served the electronics industries with the development of a series of thermal shock and burn-in systems suitable for stress testing of mass produced electronic assemblies. The company specializes in the design and manufacture of special purpose equipment and systems. Their clientele include numerous major Canadian and U.S. companies.

Hardy BBT Limited

219 - 18th Street, S.E.
Calgary, Alberta
Canada T2E 6J5

Telephone: (403) 248-4331
Facsimile: (403) 248-2188
Telex: 03-826717
Answerback: HARDY BBT CGY
Contact: Brian E.W. Dowse, Senior Vice President

Hardy BBT Limited is a leading consulting company with 13 offices across Canada and offering environmental science services to a wide variety of clients ranging from government to private industry. The company specializes in ground restoration after mining or industrial activity, chemical monitoring and testing. The work includes environmental impact assessments; exploration of contamination problems on the surface, subsurface and in groundwater; and all aspects of clean-up and reclamation with special emphasis on groundwater and soils. The company's services include geotechnical engineering, mining engineering, hydrogeology and surface hydrology, geophysics, analytical chemistry and chemical testing, contaminants monitoring and clean-up, land resources inventory, environmental education, reclamation, and environmental protection planning.

Hatch Associates Ltd.

21 St. Clair Avenue East
Toronto, Ontario
Canada M4T 1L9

Telephone: (416) 962-6350
Facsimile: (416) 962-0622
Telex: 065-24315
Answerback: HAL TOR
Contact: E.H. Nenniger

Hatch Associates Ltd., incorporated in 1955, provides environmental protection services for new and existing process plants and for transportation facilities and scale modelling of actual working conditions; dynamic computer simulations; stack dispersion analysis; fume system design; prediction of noise levels by computer program; air quality monitoring and impact; industrial ventilation; solid wastes/effluent treatment; water pollution; and heating, ventilating and air conditioning. In the area of industrial hygiene, their services include total site surveillance for occupational health and safety hazards, toxic materials inventory, illumination, noise control, and linking workplace, ambient environments. Comprehensive engineering services are provided to the metallurgical industry, including all phases of steel and non-ferrous operations from ore processing to finished products. Their Process Group is responsible for feasibility studies, new process development, pilot plant investigations, process design, environmental control projects, and start-up of major industrial facilities. Their head office and their branch offices throughout eastern Canada and in the U.S. serve clients in 30 countries worldwide.

Hatfield Consultants Ltd.

201 - 1571 Bellevue Avenue
West Vancouver, British Columbia
Canada V7V 3R6

Telephone: (604) 926-3261
Facsimile: (604) 922-4099
Telex: 04-352798
Contact: Chris Hatfield, President

Hatfield Consultants Ltd. is one of the Hatfield group of companies and was established in 1974. Environmental services have been provided to over 300 private and public sector clients nationally and internationally. Hatfield Biotechnology was established in 1985 as a technological development body to research aquacultural resource development. The company provides many environmental services including fisheries and wildlife resource development, pollution control, planning for oil and hazardous material spills and environmental impact assessments. In conjunction with technology gained through research at Hatfield Biotechnology, Hatfield Consultants has provided its services in the developing field of aquaculture. Services in spill contingency planning and environmental impact assessment have been provided to numerous countries worldwide.

Henderson, Barwick Inc.

150 California Avenue
Brockville, Ontario
Canada K6V 5W1

Telephone: (613) 342-8471
Facsimile: (613) 342-4432
Telex: 066-36539
Answerback: HENBARBKVL
Contact: Clem McEvoy, Sales Manager

Established in 1922, Henderson, Barwick Inc. operates two fully equipped production facilities: 9,300 m^2 (100,000 sq. ft.) in Montreal, Quebec and 4,000 m^2 (43,000 sq. ft.) in Brockville, Ontario.

The company offers a wide range of the latest technology and equipment to the pulp and paper, water and sewage treatment, chemical, petrochemical, mining, food and other process industries. All manufactured equipment is designed and fabricated to ASME, API and other codes and specifications where applicable. The facilities include heat treating for tube and piping, as well as complete facilities for the pickling and passivating of stainless steel and other alloys. In addition, the company supplies polished finishes on special equipment.

The company has a machine shop to carry out the precision machine operations required in the manufacture of heat exchangers, pressure vessel and valve components. The company also has a complete range of cutting equipment for oxy-acetylene and plasma cutting, shearing and sawing. The latest welding techniques are used for welding all grades of metals and metal alloys using MIG, TIG, plasma and shielded electrode methods. A complete range of light wall stainless steel pipe and fittings are manufactured as well as custom made tanks, tubing, ducts, special cabinets, mixers, conveyors and pressure vessels of all kinds.

Hevmet Recovery Ltd.

203 Durham Street
Port Colborne, Ontario
Canada L3K 5W1

Telephone: (416) 834-0034
Contact: Gary Mann, President

Hevmet Recovery Ltd. operates a waste disposal (processing) facility for the recovery and recycling of the metal values in industrial waste. The wastes handled by Hevmet include any waste stream containing aluminum, brass, cadmium, chrome, cobalt, copper, lead, magnesium, manganese, tin, zinc, precious metals and rare earths and trace elements. Solids, liquids, slurries, sludges or dust waste are accepted in drums or in bulk. Hevmet recovers the metal values from wastes through various unique chemical processes in an environmentally safe manner and recycles those values into chlorides, sulphates, nitrates or phosphates depending on customer requirements. Hevmet also has the capability to custom blend metallic salts and solutions and to perform toll work for chemical companies where their waste volumes are too small to be handled in their own plants.

Hi-Point Industries Ltd.

801 - 7th Avenue S.W.
Calgary, Alberta
Canada T2P 3P7

Telephone: (403) 290-6650
Facsimile: (403) 290-6379
Telex: 038-21503
Answerback: NOVA CGY
Contact: Stephanie Ho Lem,
President

Hi-Point Industries Ltd. was incorporated in 1983 and manufactures powerful oil absorbent products in particulate form *(OCLANSORB)* and tubular sock form *(SORB-SOX)*. *OCLANSORB* is non-toxic, offers instant absorption, containment and retention, absorbs oil not water, meets Canadian and U.S. leachate standards and is 15 times more effective than clay. *SORB-SOX* are ideal for industrial and inplant use and are ten times more effective than the leading corn husk absorbent socks. These products are being used by fire departments, airlines, emergency response teams, armed forces, municipalities, transportation companies, hazardous materials management consultants, oil refineries, bulk terminals, hydro and utility companies, and pulp and paper companies. These products are exported to the U.S., U.K., Europe and Australia. Agents represent the products in all major European countries and the Middle East.

Howe International Limited

428 Gilmour Street
Ottawa, Ontario
Canada K2P 0R8

Telephone: (613) 233-6264
Facsimile: (613) 233-8343
Telex: 053-4316
Answerback: HOWECONS OTT
Contact: M.B. Sims-Williams,
Manager, Overseas Projects

Howe International Limited, established in 1965, has extensive experience in wastewater treatment in the design and supervision of installations of modern dust suppression, collection, and disposal systems for large scale grain storage and handling facilities, and coal and petroleum coke handling systems. Facilities designed by the company are installed in numerous countries worldwide.

Engineering and management services include studies, planning and detailed design, financial and economic analyses, material and equipment procurement, project management, and operations and maintenance training. The company has numerous subsidiary companies in Canada, the U.S., India, the U.K. and the Far East.

Hurum Marine Inc.

981, rue Pierre-Dupuy, bureau 128
Longueuil (Québec)
Canada J4K 1A1

Telephone: (514) 463-0160
Facsimile: (514) 463-3657
Telex: 055-60312
Answerback: HURUM ENG MTL
Contact: David McKechnie, Vice
President

Hurum Marine Inc. was one of the first companies in North America to develop a commercially made oil boom over 20 years ago. Since then, Hurum Marine has utilized the experience gained through government testing and use on actual spills to further develop the *FLEXY* line of Oil Spill Control Equipment. With over 250 km (160 miles) of oil boom in service worldwide, the *FLEXY* Oil Boom is one of the best performing and dependable oil containment barriers on the market. The company's full line of equipment (workboats, trailers, boom reels, aluminum and steel containers and portable storage tanks, pumps, sorbents, skimmers, etc.) can handle all types of oil spills. Their oil spill containment booms' superior strength is due to the all-sewn construction and specially located tension members. The accessory equipment, i.e., towing devices, anchor buoys, etc., make the oil booms extremely efficient. The company works closely with its clients and ensures that the equipment supplied will meet the exact requirements. Products have been exported to the U.S., U.K., Caribbean, South America, and western Europe.

I.D. Engineering Canada Inc.

905 Waverley Street
Winnipeg, Manitoba
Canada R3T 5P4

Telephone: (204) 489-5900
Facsimile: (204) 453-9012
Telex: 07-587870
Contact: D.A. Farlinger, Chief
Executive Officer

I.D. Engineering Canada Inc. (IDE), established in 1955 and a subsidiary of I.D. Group Inc., operates in the environmental and socioeconomic fields. Working with I.D. Systems Ltd. (IDS), a full range of complex problems are addressed in plant, aquatic, and wildlife ecology, biometrics, urban and regional planning, resource development, remote sensing, hydrology, socioeconomics, and project management. IDE is active in the Arctic due to a unique expertise in snow and ice technology. International projects include environmental studies in the U.S., runway design in the Antarctic, environmental monitoring of the Three Gorges project in China, and assisting the Canadian International Development Agency in the selection of water resource projects in Indonesia.

ICL Engineering Ltd.

10111 River Drive
Richmond, British Columbia
Canada V6X 1Z2

Telephone: (604) 278-9721
Facsimile: (604) 270-6286
Telex: 043-55763
Answerback: ICL
Contact: F.W. Killam, President

ICL Engineering Ltd., established in 1946, is a designer and manufacturer of corrosion resistant fibreglass reinforced products (FRP) for corrosion resistant applications. The company has a design engineering capability combined with a 5,600 m^2 (60,000 sq. ft.) manufacturing facility. As a custom manufacturer, designing and producing products to order, the company's range of products is infinite. Some representative products are FRP pipe and fittings from 2.54 cm to 3.65 m (1 in. to 12 ft.) in diameter, tanks and scrubbers to 11 m (35 ft.) in diameter, and stacks up to 8 m (25 ft.) in diameter. ICL's products are primarily used in the industrial process industries—oil and gas (cocling water pipelines for seawater cooled LNG plant), pulp and paper corrosion resistant applications, mining and smelting.

Industrial Filter Fabrics Ltd.

663 Woodward Avenue
Hamilton, Ontario
Canada L8H 6P3

Telephone: (416) 549-9626
Facsimile: (416) 547-7660
Contact: K.N. Burlakoff, President

Industrial Filter Fabrics Ltd. was established in 1971 to produce fabricated filter bags for industrial use, dust collection pollution control equipment, and liquid process filtration. The company manufactures and markets the *Beane Bag*™, a patented filter media designed for use in bag type dust collectors. The *Beane Bag*™ is knitted into a seamless tube with a loop pile filtering surface. It offers advantages such as increased air handling capacity with improved dust collection efficiency resulting in improved dust collector performance and energy savings. The product is widely used by Canadian industry. The product is also produced with electrically conductive yarns to combat static build-up for applications where explosion hazards exist. Other products include pleated cartridge filter elements and parts for dust collectors including cages, clamps and venturies.

Industrial Measurements Ltd.

3160 Steeles Avenue, East
Markham, Ontario
Canada L3R 4G9

Telephone: (416) 430-7660
Facsimile: (416) 666-3413
Contact: Edward Konzelman, Manager

Since 1961, Industrial Measurements Ltd. (IML) has specialized in the design and manufacture of supervisory control and data acquisition (SCADA) systems. Systems include remote terminal units (RTUs) and PC-based central station computers, expansion cards, cases and associated peripherals. The principal product line includes the *DIGISPONDER*® family of RTUs which transmit synthetic speech and text via the public and telephone network, dedicated line, or radio link. Government and industrial organizations utilize the equipment in diverse systems which include water/wastewater treatment facilities and satellite communication networks. For remote monitoring or control of unattended equipment, IML RTUs offer standardization on inexpensive yet versatile products which can be adapted to a wide range of operating conditions and functional requirements. When used in concert with central station computers (CSCs), users can control communication, log data, and encode commands at low cost with ease in network expansion. Conventional installations can utilize off-the-shelf systems or IML can provide custom engineering for special applications.

Les Industries Fournier Inc.

325, boulevard Frontenac
Black Lake (Québec)
Canada G0N 1A0

Telephone: (418) 423-4241
Facsimile: (418) 423-7366
Contact: Paul Aube, Technical Director

Founded in 1959, Les Industries Fournier Inc. specializes in the design and manufacture of the *Rotary Press* to meet the sludge treatment needs of municipalities and industries. The company also manufactures customized process machinery for foundries, the asbestos and gold mining industries, and the pulp and paper industry. A complete range of engineering and manufacturing services is provided—from defining design parameters to delivery, installation and successful start-up. The company has designed and manufactured equipment for customers in Canada, Greece, Brazil, Columbia and the U.S.S.R.

Fournier has a staff of 100, including engineers and technicians. State-of-the-art engineering and design tools, such as CAD are employed. Their facilities include a 5,000 m^2 (60,000 sq. ft.) plant with fabricating, machining and assembly sections. The company follows stringent inspection procedures, making use of pneumatic-hydraulic actuators, mechanized manipulators, motorized robots, and a programmable controller.

Les Industries Regenair Inc.

55, rue Papineau
Boisbriand (Québec)
Canada J7G 2T7

Telephone: (514) 437-7373
Contact: Jean Gauthier, President

Les Industries Regenair Inc. was founded in 1983 in response to the industrial need for certain environmental products. Their products include fully automatic balers, compact floor mounted shredders, fully automatic pneumatic scrap/waste handling systems, low horsepower material handling fans. Their Pneumatic System collects or shreds waste at the point of generation and conveys it to the compactor or baler. Shredding and baling can reduce volume by as much as 30:1, requires far fewer containers, and reduces or eliminates the need for inplant collection personnel. The paper and paper recycling industries are using pneumatic handling to efficiently collect the waste for subsequent reprocessing.

Innovac Inc.

P.O. Box 116
Port Perry, Ontario
Canada L0B 1N0

Telephone: (416) 985-8441
Facsimile: (416) 985-0418
Contact: Steve Zimmerman,
President

Innovac Inc., formed in 1987, purchased the worldwide patent and manufacturing rights to litter collectors. *Litter Hog* and *Litter Pik* are mobile vacuum litter pickers used by municipalities and private contractors. The units are uniquely designed, inexpensive to maintain, and adapted to a variety of litter and leaf collection duties. Existing markets being served are Canada, Japan and the U.S. The company hopes to have representation in the U.K., Asia and Europe soon.

INTERA Technologies Ltd.

2500, 101 - 6th Avenue S.W.
Calgary, Alberta
Canada T2P 3P4

Telephone: (403) 266-0900
Facsimile: (403) 265-0499
Telex: 03-824537
Answerback: INTERA CGY
Contact: Brian L. Bullock, President

Established in 1974, INTERA Technologies Ltd. has six offices worldwide and has served governments and major oil companies in 35 countries. It specializes in the applications of advanced technology remote sensing instrumentation in aircraft, and in the analysis and presentation of results from scientific data acquisition programs. The company has operated at the forefront of the application of remote sensing technologies both in Canada and around the world. INTERA was the first company in the world to develop and operate Synthetic Aperture Radar (SAR) systems for commercial use. The company has introduced a new system—*STAR-2*, which will operate as a companion to *STAR-1*— their original airborne radar system. *STAR-2* provides for enhanced turnkey data collection and mapping services, including the provision of digital terrain models, radar image maps and other radar map products.

Services are offered in geologic exploration (petroleum, minerals); resources inventory and monitoring (such as forestry, land use, crops); cartographic and topographic mapping; groundwater studies; reservoir analysis including petroleum or groundwater; and pollution monitoring and control. For each of these applications, a full range of services including data acquisition, processing and interpretation or analysis, and training can be provided. Remote sensing data used in the company's projects include Synthetic Aperture Radar (SAR), satellite data including LANDSAT, LANDSAT-MSS, TM, SPOT and NOAA, a full suite of airborne geophysical scanners, and aerial photography. The company is also actively involved in supplying services in waste management (including radioactive materials) and almost every aspect of oil and gas exploration including geologic basin wide studies, seismic surveys, and field assistance in borehole drilling. The company also has weather modification capabilities that are internationally recognized for hail abatement and increased precipitation.

J.D. Koppernaes Engineering Ltd.

1248 Bedford Highway
Bedford, Nova Scotia
Canada B4A 1C6

Telephone: (902) 835-8348
Facsimile: (902) 835-0134
Telex: 019-21669
Answerback: KOPPERNAES HFX
Contact: P.R. Mitchell, President

J.D. Koppernaes Engineering Ltd. (K.E.L.) was formed in 1957. Its staff of professional engineers offers services in the civil, marine, mechanical, electrical and fisheries disciplines. The company has developed specific expertise in the design of systems for the recovery, treatment and product enhancement of fish waste. The types of services offered vary from complete design and construction supervision to feasibility studies and evaluations of alternate technologies. The company has completed over 30 projects examining alternate methods of handling fish waste (i.e. fish silage as compared to fish meal) and is able to compare the benefits of one process to the other depending upon the particular situation. K.E.L. designed over one third of the fish processing plants on the east coast of Canada.
Over 75 percent of the company's contracts are now outside of Canada. Projects have been completed in Norway, Peru, Canada, the U.S., Mexico, Bahamas, Barbados, St. Lucia, and Antigua. In 1984 and 1985 K.E.L. received the Export Achievement Award for the export of services from the Government of Nova Scotia in recognition of their work on international fisheries projects.

J.P. Environmental Products Inc.

P.O. Box 816, Station C
Kitchener, Ontario
Canada N2G 4C5

Telephone: (519) 662-3220
Facsimile: (519) 662-3223
Contact: James Haller, President

J.P. Environmental Products Inc. was formed to serve the environmental process needs of industry for silencing, isolation, filtration and power transmission equipment. This has resulted in customized products designed to fit customer specifications and meet application requirements. Through continuous exposure to a variety of applications in different industries, the company's design staff and sales representatives have developed an applied expertise in recognizing and solving environmental problems. This expertise is used for every product supplied and every proposal presented. The company is proud of its record in supplying quality products strictly in accordance with customer specifications for performance, technical features, gauges, finishers, quality assurance programs, etc.

J.R. Cousin Consultants Ltd.

1214 Chevrier Boulevard
Winnipeg, Manitoba
Canada R3T 1Y3

Telephone: (204) 284-9346
Contact: Jerry Cousin, President

J.R. Cousin Consultants Ltd. was founded in 1981 with the mandate to provide municipal engineering services to meet the special needs of rural communities. Members of the company are leaders in their respective fields. The company has completed hundreds of water and sewer and waste disposal projects. The company's projects include the largest pressure sewer system in Canada and the first Vyredox water treatment plant in western Canada. They have advanced computing facilities which facilitate reduced time and costs in the preparation of designs. Municipal engineering services are provided which encompass hydrology, geotechnical, water source development, sewer and water systems, and land development. The most current technology and state-of-the-art designs are provided. The company is proud of its reputation for providing its clients with the most feasible and economical designs possible.

Jacques, Whitford Group Limited

1046 Barrington Steet
Halifax, Nova Scotia
Canada B3H 2R1

Telephone: (902) 423-6325
Facsimile: (902) 429-9177
Telex: 019-21745
Contact: H.J. Jacques, Corporate President

Jacques, Whitford Group Limited is an engineering and environmental services consulting firm offering a comprehensive range of geotechnical, materials and mining engineering and other related geoscience consulting services to clients in industry and government. Since its formation in 1972, the company has broadened the scope of its services. Several affiliated operating companies and divisions have been established to provide materials engineering testing and research, mining engineering, hydrogeology, agricultural engineering, offshore geotechnical engineering, and environmental services. The company has laboratory facilities. Clientele include other engineer consultants; architectural consultants; construction contractors; government agencies; utility companies; academic institutions; the mining, pulp and paper and petroleum industries; research organizations; and fish processing groups in Canada, the U.S., Caribbean and Africa.

John Meunier Inc.

6290, rue Périnault
Montréal (Québec)
Canada H4K 1K5

Telephone: (514) 334-7230
Facsimile: (514) 334-5070
Telex: 05-825693
Contact: Gabriel Meunier, President

Founded in 1948, John Meunier Inc. specializes in 'pre-treatment' and produces a vast array of equipment for water and sewage treatment. Among its numerous products are the *Cont-Flo Mechanical Bar* screens for upstream installation, *ROTARC* mini screens for small sewage treatment works, *ROTARC* brush screens which are self-cleaning and used for industrial effluents and recirculation waters, *ROTOPAC* portable waste compactor, and the *MECTAN* Grit Chamber. The company has sold its products to hundreds of municipalities and industries throughout North America.

Joy Technologies Canada Inc.

235 King Street East
Kitchener, Ontario
Canada N2G 4N6

Telephone: (519) 578-6400
Facsimile: (519) 578-8029
Telex: 069-55324
Answerback: PRECIPDECOKTCH
Contact: Ron Ojanpera, Manager, Sales and Marketing

Joy Technologies Canada Inc. was established in 1936 and is dedicated to the design, supply and field construction of air pollution control equipment to the pulp and paper, fossil fuel fired utilities, metallurgical (both ferrous and non-ferrous), and chemical processing industries. From its 7,500 m^2 (80,000 sq. ft.) plant, the company manufactures a range of environmental products including a large industrial field erected electrostatic precipitator for use in collecting hot dry dusts or saturated mists. Other products include cyclone collectors, wet scrubbers, fabric filters, and industrial exhaust fans. Services are provided in engineering design of incineration and cogeneration systems for low level radioactive and pathological wastes, and municipal and industrial trash.

Keep Rite Inc.

1030 Clarke Side Road
London, Ontario
Canada N6A 4P4

Telephone: (519) 451-0230
Facsimile: (519) 451-1732
Telex: 064-5664
Answerback: UNIFIN
Contact: G. Wattier, Director of Sales

Unifin International Division of Keep Rite Inc., established in 1922, is a leading designer and manufacturer of custom made industrial heat exchangers. The use of integral finned tubes as the heat transfer surface has enabled Unifin to develop unique, durable equipment for heating and cooling, and water distilling electrical equipment. The product line includes heating and cooling coils for the pulp and paper industry, large motor and generator cooling plus transformer oil cooling equipment, custom designed shell and tube exchangers, finned tube exchangers for industrial and chemical plant service, and heat recovery systems for various markets in the U.S., Japan, the U.K. and Europe.

Kenting Earth Sciences International Corp.

380 Hunt Club Road
Ottawa, Ontario
Canada K1G 3H7

Telephone: (613) 521-1630
Facsimile: (613) 521-5913
Telex: 053-4173
Answerback: KENSCI-OTT
Contact: D.C. Fitzsimmons, Vice President

Kenting Earth Sciences International Corp. is a technical services contractor specializing in airborne geophysical surveys, geographic information services and resources development consulting. The company has a history dating from 1947 and has flown in excess of 25 million line kilometres of geophysical and photographic surveys. Kenting has conducted operations in 85 countries throughout the world.

The firm has extensive capabilities in the compilation, analysis, display and management of geo-referenced data. Kenting undertakes all phases of mapping projects from aerial photography and control surveys through the preparation of reproduction graphics and computer compatible map data. Their geophysical services include airborne magnetic, radiometric, VLF-EM, and vertical gradiometer surveys. Doppler, trisponder, INS, and GPS navigation systems accompany the sensor packages. Data acquisition, processing, map production and interpretation constitute the full range of geophysical products and services.

The company's resources development consulting practice comprises a multidisciplinary group specializing in photogeology, forestry, hydrology/groundwater, integrated rural development, agriculture, irrigation, land use, land capability, soils and economics. Projects involve interpretation and manipulation of photographic, radar and electro-optical imagery.

Kilborn Limited

2200 Lake Shore Boulevard West
Toronto, Ontario
Canada M8V 1A4

Telephone: (416) 252-5311
Facsimile: (416) 231-5356
Telex: 06-967531
Contact: Jack Calwell, Manager, Business Development

Kilborn Limited is one of Canada's largest and most diversified engineering and contractor companies providing a full range of services including studies, conceptual and process engineering, project management, detailed design, procurement, construction management and start-up assistance. Established in 1947, Kilborn provides services to the metals, heavy industries, water supply, waste treatment, urban development, industrial and solid waste management, geotechnical and environmental fields.

The company's experience with recovery of energy and useful materials from municipal or institutional solid waste began with studies for city and regional governments in the 1970s, and extends from design of an experimental recovery unit in Toronto to an organic paint sludges processing facility for General Motors of Canada, which compounded the sludge with other solid waste for disposal as a boiler fuel. Kilborn maintains comprehensive computer facilities for data processing, accounting, engineering, design/drafting interactive graphics (CADD) and project management systems. Kilborn has provided services for over 1,500 projects in Canada and in 40 countries throughout the world from its many offices throughout Canada and the U.S.

Knopafex Ltd.

1011 Haultain Court, Unit 9
Mississauga, Ontario
Canada L4W 1W1

Telephone: (416) 238-9178
Contact: Tal Akermanis, Vice President

Knopafex Ltd. is a manufacturing and professional engineering company, specializing in inspection and data gathering. Knopafex offers a complete line of products for the video inspection of pipes, ducts, sewer lines and wells, as well as systems for municipal and industrial data gathering, and systems for production testing and monitoring. The company's advanced technology products for sewer and street use meet the challenges of water and humidity, vibration and temperature. The company's products and components are sold in Canada, the U.S. and Europe.

Kraemer Tool and Manufacturing Co. Ltd.

75 Devon Road
Brampton, Ontario
Canada L6T 5A4

Telephone: (416) 458-0400
Facsimile: (416) 458-0688
Contact: R. Kraemer, Vice President

Kraemer Tool and Manufacturing Co. Ltd. was established 20 years ago to manufacture portable and stationary dust collectors and systems. The company makes 22 different models of portable dust collectors, from 1 to 7.5 hp, 12 stationary dust collectors from 5 hp and under, as well as large and custom designed systems for the woodworking, plastics, paper, chemical, cosmetics, and food industries. The company designs custom duct systems for its dust collectors and will install its equipment. These products are sold throughout North, Middle and South America.

L.H. Schwindt & Co. Limited

1134 Plains Road East
Burlington, Ontario
Canada L7S 1W6

Telephone: (416) 632-9040
Facsimile: (416) 632-2973
Telex: 061-8303
Contact: M. Glover, President

L.H. Schwindt & Co. Limited has been operating and servicing industry since 1948. Engineering and project management is offered in the hydrocarbon processing and heavy chemical industry, pulp and paper industry, iron and steel industry, and the food and pharmaceutical industry. A variety of waste treatment facilities have been engineered for these industries. The company has also completed a number of municipal waste projects and water purification plants. Some of the effluent treatment projects undertaken include the design of primary treatment systems for pulp and paper mills, design of waste acid filtration plants for steel mills, and design of effluent treatment facilities for refineries and chemical plants. Projects have been undertaken in Canada, the U.S. and in the Middle East.

Labrie Equipment Ltd.

302, rue du Fleuve
Beaumont (Québec)
Canada G0R 1C0

Telephone: (418) 837-3606
Facsimile: (418) 837-7698
Telex: 051-3786
Contact: Claude Boivin, President

Labrie Equipment Ltd., established in 1971, manufactures a full line of efficient waste equipment. Labrie's products include transfer trailers; the *Labrie 200* Side-Loader which requires only one man to operate and is more efficient than a rear loader; the *Labrie 100* Half Pack front end loader for industrial and residential refuse collection in which reloading the hopper can be done during the compacting cycle; and the *Over Top* Loading Recycler—24 m^3 (31 cu. yds.) hydraulic loading with two to five movable partitions for up to six different products. Private contractors and municipalities in Canada and in the U.S. are among Labrie's clientele.

Lambert Somec Inc.

725, rue Lachance
Québec (Québec)
Canada G1P 2H3

Telephone: (418) 687-1640
Facsimile: (418) 688-7577
Telex: 051-31633
Contact: Denis Linteau, President

Lambert Somec Inc., established in 1961, is primarily a specialized construction contractor and operates in both the industrial and commercial sectors in electrical systems, instrumentation, millwrighting, piping and ventilation/air conditioning. The company also offers engineering services and manufacturing facilities. The company makes use of ultramodern equipment and workstations including the latest CAD/CAM computer systems. The company has acquired vast experience installing industrial ventilation and air conditioning equipment, as well as mild or stainless steel or other metal welded piping systems. As a manufacturer and installer of storage, distribution and delivery of natural gas systems, the company is often called upon for industrial and commercial conversion projects. Through its participation in Almax International which specializes in designing and overseeing industrial and commercial construction projects, Lambert Somec is active internationally.

Lavalin International Inc.

1100, ouest boul. René-Lévesque
Montréal (Québec)
Canada H3B 4P3

Telephone: (514) 876-4455
Facsimile: (514) 876-9273
Telex: 055-61250
Contact: Marcel Dufour, President

Lavalin International Inc. represents all Lavalin divisions throughout the world. Divisions of Lavalin Inc., such as Lavalin Environnement Inc. which was established in 1973, MacLaren Plansearch Inc. and MacLaren Engineers Inc. acquired in 1980, provide environmental services and have completed studies and projects in every continent. Through their affiliation with the Lavalin Group, they draw upon the expertise of some 2,500 professionals in the fields of biological and earth sciences, environmental engineering and chemistry, socioeconomics and planning. Studies have been undertaken in all areas of environmental science. These include environmental impact assessments; risk analysis for public health and safety; natural resource inventories and site/route selection studies for industrial plants, ports, power transmission lines and roads. Programs have been designed and implemented for environmental monitoring, as well as for the management of hazardous wastes.

State-of-the-art methods and technology are used to implement environmental studies. Sophisticated analytical methods are used to identify pollutants; mathematical models are used to predict their behaviour in air and water. Statistical analysis and simulation techniques are used to assess the probability and importance of environmental risks.

Lisle-Metrix Ltd.

49 Sheffield Street
Toronto, Ontario
Canada M6M 3E5

Telephone: (416) 249-9151
Facsimile: (416) 249-2952
Telex: 06-969682
Answerback: LISLE MET TOR
Contact: G.F. Crossman, Vice President

Lisle-Metrix Ltd., established in 1958, is a manufacturer and wholesaler of process equipment and controls. The Fielding Crossman Division manufactures products of its own design and products of others under licence. The product line is mainly in the primary sensor category; however, the company also supplies complete control systems to meet customer requirements. The company manufactures water quality analyzers for the measurement of such process variables as pH, ORP, conductivity, turbidity and dissolved oxygen; the nozzles and venturi for measuring the flow of liquids, gases and vapours in closed pipe systems; flumes for flow measurement in open channels; liquid level indicators of a very special design for difficult flammable, toxic and corrosive liquids; conductive type liquid level switches for level alarm and pump down applications. The primary markets served are the chemical, petrochemical, oil refinery, mining, transportation, water and wastewater treatment.

MacDonald Dettwiler and Associates Ltd.

13800 Commerce Parkway
Richmond, British Columbia
Canada V6V 2J3

Telephone: (604) 278-3411
Facsimile: (604) 278-2936
Telex: 04-355599
Contact: Dave Hawkins, Product Manager

MacDonald Dettwiler and Associates Ltd. is a world leader in the development of computer based systems for aerospace, resource management, and electronics manufacturing applications. Founded in 1969, the company supplied ground processing systems for the remote-sensing Landsat satellites.

Satellite mapping has become one of MacDonald Dettwiler's most important market areas. Their *MERIDIAN* image analysis system combines the best in remotely sensed image processing with the latest technology for computer assisted mapping. *MERIDIAN* accepts digital data from spaceborne and airborne imaging sensors, aerial photographs, geographic databases and paper maps and integrates it into a single database. This permits *MERIDIAN* to make exact digital topographic maps, accurately identify and extract specific information such as lakes, rivers and roads, perform change detection for map revision, and produce digital terrain models. Government mapping agencies and resource-based industries use *MERIDIAN*. Applications for environmental purposes include impact studies, pollution control, environmental standards and flood control. *MERIDIAN* has been sold worldwide.

Magnus Chemicals Limited

190, boulevard Industriel
Boucherville (Québec)
Canada J4B 2X3

Telephone: (514) 655-1344
Facsimile: (514) 655-5428
Telex: 055-61013
Contact: Roger A. Gamache, Vice President, Marketing, Research and Development

Incorporated in 1946, Magnus Chemicals Limited has grown steadily and now produces industrial cleaners (decarbonizers, paint strippers, descalers, etc.), metalworking lubricants, and industrial water conditioning compounds (for boilers, cooling towers, closed heating systems). The pulp and paper, heating, ventilation, metal stamping and aerospace industries in Canada and the U.S. buy Magnus products.

Markland Specialty Engineering Ltd.

48 Shaft Road
Rexdale, Ontario
Canada M9W 4M2

Telephone: (416) 244-4980
Facsimile: (416) 244-2287
Contact: J.R. Tansony, General Manager

Markland Specialty Engineering Ltd. was established in 1967 to design and manufacture high technology process control instrumentation primarily for the water pollution control field. The company holds many patents and is a leader in sludge level control instrumentation that utilize microprocessor based 'intelligent' sensors to locate the sludge/liquid interface. Products include sludge level detectors and controllers, sludge depth meters, wastewater samplers, suspended solids meters and sludge/liquid interface detectors. These state-of-the-art instruments are exported to 20 countries.

Marsh Engineering Limited

9 Hawk Street
Nanticoke, Ontario
Canada N0A 1L0

Telephone: (519) 587-4511
Facsimile: (519) 587-2340
Contact: M. Detenbeck, General Manager

Established 120 years ago in 1870, Marsh Engineering Limited serves the Canadian and U.S. markets and now has three manufacturing plants featuring modern equipment including Computer Numerical Control machinery. Marsh has expanded into many diverse fields including water treatment equipment. With these capabilities and a complete electrical and instrumentation division, Marsh produce complex machinery from the design phase through quality assurance and control to manufacture and installation. Typical of this effort is the design, manufacture and after market performance of their marine sewage treatment plant known as the *CABOS* Sewage Treatment System. A spin-off from this is the *Canpure* Ultraviolet Sterilizer used in disinfecting liquids.

Marshall, Macklin, Monaghan Limited

275 Duncan Mills Road
Don Mills, Ontario
Canada M3B 2Y1

Telephone: (416) 449-2500
Facsimile: (416) 449-6076
Contact: C.W. Longden

Established in 1952, Marshall, Macklin, Monaghan Limited is a multidisciplinary Canadian consulting firm offering a full range of services in engineering, surveying and planning to government, industry, and institutions. Projects have been undertaken in the Caribbean, U.S., Africa, Asia, Central and South America. The company also offers a selection of survey-related software and geographic information systems to its clients for a variety of information management and processing applications. Environmental services include baseline studies, inventories and assessments, services master planning, water supply facilities, sewage disposal facilities, and solid and hazardous waste disposal.

The McElhanney Group Ltd.

200 - 1166 Alberni Street
Vancouver, British Columbia
Canada V6E 3Z3

Telephone: (604) 683-8521
Facsimile: (604) 683-4350
Telex: 04-51474
Contact: D.P. Mahony, Manager, Marketing and Corporate Planning

The McElhanney Group Ltd. is a leader in the surveying and mapping industry. McElhanney has developed a successful track record on international projects conducted over three decades on all continents and in over 60 countries. Clients include international lending agencies, national governments, multinational corporations and private companies. The company works with national firms and government agencies transferring technology through both formal training and hands-on field programs. Their principal services include digital and conventional mapping, geodetic and control surveys, high resolution marine geophysical surveys, marine navigation and positioning services, data post processing and presentation, marine hazard surveys, and quality control services.

McNeely Engineering Limited

39 Robertson Road, Suite 217
Nepean, Ontario
Canada K2H 8R2

Telephone: (613) 820-6438
Facsimile: (613) 820-9908
Contact: P.A. McNeely, President

McNeely Engineering Limited was established in 1975 to provide a wide range of civil engineering services, primarily in the fields of transportation, structural, municipal and agricultural engineering. The company has undergone steady growth and diversification in the types of services offered. These now include erosion control, flood plain mapping, master drainage plans, pollution control plants, pumping stations, forcemains, sewage disposal systems, sewage lagoons, sewage outfalls, storm and sanitary sewer collection systems, stormwater management, and water purification plants. The company provides services to all levels of government and to major corporations and developers. Its expertise has led to a number of major international projects in Asia and the Caribbean.

MDS Health Group Ltd.

55 Glen Cameron Road
Thornhill, Ontario
Canada L3T 1P2

Telephone: (416) 881-4646
Facsimile: (416) 881-9832
Contact: Dr. Bori Shushan, Head, Technical Marketing and Sales

SCIEX Division of MDS Health Group Ltd. designs, develops, manufactures and markets mass spectrometer based products for trace organic and inorganic analysis. The product line includes three types of systems: the *TAGA*, the *ELAN* and the *AROMIC*. The *TAGA* and the *AROMIC* systems are based on advances in Atmospheric Pressure Chemical Ionization Mass Spectrometry (APCI/MS) pioneered by SCIEX, whereas the *ELAN* is based on advances in combining the Inductively Coupled Plasma (ICP) with *TAGA* based technology. *ELAN* is distributed worldwide by Perkin-Elmer Co. of the U.S. British Aerospace of the U.S. markets *AROMIC*. SCIEX originated from research carried out at the University of Toronto, Institute for Aerospace Studies. In 1981, SCIEX was acquired by MDS Health Group Ltd. and now operates as a wholly owned division of the corporation. In 1984, SCIEX received the Canadian Award for Excellence for Technology Transfer in partnership with the National Research Council of Canada.

MET Engineering Inc.

P.O. Box 744
Waterloo, Ontario
Canada N2G 4C2

Telephone: (519) 743-7191
Contact: E. Twarous, President

Energetex Engineering division of MET Engineering Inc. specializes in the industrial application of modern research. The initial activities of Energetex were consulting and research and development in the areas of combustion and environmental protection. As a result of this work, a number of products were developed and are now manufactured.

The *CLEANFIRE* Portable Incinerator is for the disposal of oily solid wastes and debris under Arctic conditions and is the ideal solution to the field operation disposal problems of the oil industry. *CLEANFIRE* features clean combustion, minimal environmental impact—the melting of permafrost by heat transfer was a particular concern—air transportability by helicopter, minimal set-up time, safe operation, and an incineration rate of about 1 t/h. *CLEANFIRE* can be used whenever clean combustion of flammable debris is the solution to a pollution problem: at oil spill sites, municipal garbage dumps, construction sites, drilling islands. The *SWIRL FIRE* Smokeless Liquid Burner is used for the disposal of flammable oily liquids by smokeless combustion. It can burn oily liquids contaminated by water (up to 50 percent) and solids (1 mm particles).

It is portable, self-contained, lightweight, and has its own power source. These products are used by Canada's major oil companies and the Canadian Coastguard.

Metacor Steel Products Ltd.

120, boulevard Industriel
Repentigny (Québec)
Canada J6A 4X7

Telephone: (514) 582-1810
Facsimile: (514) 582-1008
Telex: 05-828605
Contact: Benoît Bérubé, Sales Manager

Metacor Steel Products Ltd., established in 1977, is an accredited steel fabricator specializing in cyclones, pipes, dust collectors, pressure vessels and ductworks. Their fabrication facility is comprised of three bays, four overhead cranes (up to 25 t), 21 jib-booms with 0.5 to 3 t hoist, sand blasting facilities, and numerous other heavy machinery. Metacor serves most major industries as well as engineering companies and serves the Canadian and U.S. markets.

Monenco Consultants Limited

155 Rexdale Boulevard, Suite 500
Rexdale, Ontario
Canada M9W 5Z8

Telephone: (416) 743-3456
Facsimile: (416) 743-2926
Telex: 06-989419
Answerback: MONENCO TOR
Contact: Martyn J. Riddle
Corporate Manager
Environmental Division

Monenco Consultants Limited, a member of the Monenco Group of over 40 wholly owned subsidiaries and associated companies, started its operations in 1907 under the name of Montreal Engineering Company Limited and today is one of Canada's largest engineering and management consulting firms. It offers engineering, project management, management consulting, and advanced technology in energy, industrial and resource development services on a worldwide basis. The company's environmental services include hazardous waste management, spill management, environmental audit, industrial site clean-up, risk assessment and management, site and route selection, land reclamation, subsurface investigations, and environmental impact assessments. Monenco's environmental specialists include engineers, air quality specialists, soil specialists, hydrogeologists, toxicologists, agronomists, ecologists and biologists.

Morris International Trading Ltd.

1527 Columbia Street
North Vancouver, British Columbia
Canada V7J 1A3

Telephone: (604) 986-2189
Contact: Dave Morris, President

Morris International Trading Ltd. handles the marketing function for Morris Industries Ltd. which was established in 1976 to design and develop oil pollution control equipment. Morris Industries has exported its equipment to Europe, South America, the U.K., and the U.S. The product range includes emergency oil skimmers and inshore containment booms. Under development at Morris Industries are a work boat which can serve as a skimmer and/or boom deployment vessel and a fixed installation oil recovery unit for use in refineries and similar applications. The company continually improves product design and works closely with the industry on a custom engineering or consulting basis.

Morrison Hershfield Limited

4 Lansing Square
North York, Ontario
Canada M2J 1T1

Telephone: (416) 499-3110
Facsimile: (416) 499-9658
Telex: 06-986219
Contact: G.R. Genge, Principal,
Building Science Services

Established in 1946, Morrison Hershfield Limited provides a diverse range of structural and civil engineering services for commercial, industrial, recreational, communications, transportation, and environmental protection projects. The company provides expertise in environmental controls, including the design and balancing of airflow systems; the determination and control of airborne contaminants in industrial facilities; and computer modelling of liquid and air flows to study the thermal behaviour of buildings, smoke migration, and air quality and distribution. Clients include those interested in resolving indoor environmental problems in existing structures, in designing systems for new or renovated facilities, and in feasibility studies and programs for decommissioning buildings.

Morrow Recovery Systems Inc.

300 - 1217 Lonsdale Avenue
North Vancouver, British Columbia
Canada V7M 2H5

Telephone: (604) 986-1168
Facsimile: (604) 986-9370
Telex: 04-352889
Answerback: MORROW ENG VCR
Contact: Grant Byers

Morrow Recovery Systems Inc., formed in 1987, provides underground contamination assessments to the petroleum industry to minimize exposure to environmental regulatory agencies. The company provides subsurface investigation, product recovery program development and installation, site decommissioning studies, liaison with regulatory officers, and project management. A preventative monitoring program aimed at minimizing future losses and spills is being established.

Their affiliated company, Morrow and Associates Engineering Ltd. is a consulting engineering firm specializing in the provision of services to the petroleum industry. Specific projects include environmental permitting, effluent zone of influence monitoring, ocean dumping, spill assessment and contingency planning.

Norecol Environmental Consultants Ltd.

700 - 1090 West Pender Avenue
Vancouver, British Columbia
Canada V6E 2N7

Telephone: (604) 682-2291
Facsimile: (604) 682-8323
Contact: Robert A. Hawes,
President

Norecol Environmental Consultants Ltd. is based in Vancouver, British Columbia and has an office in Seattle, Washington. The company is a leading environmental consulting firm with a professional staff of over 35. In business since 1981, Norecol has worked on projects in Canada, the U.S., Europe and Asia. The company's belief is that economic development and protection of the environment can be achieved if potentially sensitive environmental issues are resolved as part of the planning and implementation process. Norecol provides technical and managerial solutions to environmental problems which allow projects to proceed in an environmentally sound manner.

The company has a team of highly qualified professional biologists, planners and environmental engineers to provide services in environmental impact assessments, environmental management and pollution control, industrial hygiene, and environmental audits and pollution abatement. In addition to providing consulting services, Norecol has formed a subsidiary company devoted to applied research and the development and marketing of processes, technologies and devices in the environmental area. Surface and groundwater sampling devices are being developed.

Nortech Surveys (Canada) Inc.

319 - 2nd Avenue, S.W.
Calgary, Alberta
Canada T2P 0C5

Telephone: (403) 262-0800
Facsimile: (403) 262-0810
Telex: 03-827983
Answerback: NORTECH CGY
Contact: T. Crago, Vice President and Chief Operating Officer

Nortech Surveys (Canada) Inc., established in 1982, maintains a strong research and development component that has earned it an excellent reputation for practical surveying and mapping systems. The company offers specialized navigation, positioning and mapping services. Inertial and satellite surveying systems provide fast and cost effective survey control in remote areas. Nortech's airborne *Laser Terrain Profiler* allows for terrain mapping and tree height determination in heavily forested and jungle areas. Nortech operates worldwide from its head office in Calgary, Canada. Their regional offices in London, Muscat, Ankara and Sydney offer worldwide coverage and expertise to the energy, forestry and environmental services industries.

North/South Consultants Inc.

2nd Floor, 1475 Chevrier Boulevard
Winnipeg, Manitoba
Canada R3T 1Y7

Telephone: (204) 284-3366
Contact: Stuart Davies, President

North/South Consultants Inc. and its subsidiary, Invertebrate Research Associates, are environmental consulting companies specializing in tropical aquaculture, fisheries management, environmental impact assessment, biological monitoring projects and marine and estuarine ecosystem research. Established in 1980, the companies have successfully conducted a wide range of environmental contracts in areas ranging from the Canadian Arctic to Africa. The professional consulting services offered include feasibility studies, project monitoring and management, and developmental projects.

Novacorp International Consulting Inc.

P.O. Box 2535, Station M
Calgary, Alberta
Canada T2P 2N6

Telephone: (403) 290-6000
Facsimile: (403) 290-6379
Telex: 038-21503
Answerback: NOVA CGY
Contact: C.D. Richards, Senior Vice President

Novacorp International Consulting Inc. is an engineering consulting firm offering a broad range of services geared to the development and long-term efficiency of energy related systems. Novacorp is a wholly owned subsidiary of NOVA Corporation of Alberta—a major Canadian energy company that has built and operated Alberta's natural gas gathering and transmission facilities, which now include over 8,400 miles of pipeline. Through Novacorp, the experience and expertise of the engineering and technical personnel of NOVA are made available for international consulting projects.

The company's environmental specialists participate in pipeline planning, design, construction, operation, maintenance and decommissioning phases. Through research studies, they identify environmental concerns likely to affect route selection. Their environmental impact assessments—on wildlife, fisheries, water pollution, erosion control, hazardous wastes, pesticide and herbicide use, air emissions, historical resources, vegetation management and reclamation, soil conservation and agricultural productivity—help lead to the development of new construction procedures and techniques. In the area of waste heat recovery, a variety of systems have been designed and implemented or researched.

Nucor Computing Resources Inc.

302 Legget Drive
Kanata, Ontario
Canada K2K 1Y5

Telephone: (613) 592-8666
Facsimile: (613) 592-5955

Nucor Computing Resources Inc. specializes in geographical information systems. The research and development thrusts are on low cost microbased systems and cost effective digitizing technology; natural colour or monochrome images can be quickly acquired. Established in 1982, the company started marketing its products worldwide in 1987 and now offers a comprehensive range of services and products ranging from GIS software with hardware specifications to delivery of complete turnkey systems, including databases for low cost geographical information systems. Nucor is also offering a new service following an agreement signed with the Canada Centre For Remote Sensing. It is now possible to order microcomputer compatible satellite products LANDSAT data on floppy diskette directly from Nucor.

The software packages, hardware options and services that Nucor offers permit wide market potentials to capture and manipulate spatial information to accomplish a whole host of activities. Professionals in the engineering, earth sciences, resource management, and education disciplines can now store, create, extract, analyze and update map type information on their personal microcomputers.

NUMET Engineering Ltd.

677 Neal Drive
Peterborough, Ontario
Canada K9J 7X6

Telephone: (705) 743-2708
Facsimile: (705) 743-3216
Contact: Harry Lowe, Export Manager

NUMET Engineering Ltd. (NEL) is active in the nuclear, industrial automation, environmental and defence business sectors. The company has built its reputation on providing reliable equipment. Quality is engineered into product system designs to give innovative and cost effective solutions. The company operates to quality programs developed for the nuclear and defence industries.

The company produces mechanical process and material handling robotic equipment. Its products include high integrity glove boxes (for use in medical, biological and nuclear handling applications); sealed waste containers (for nuclear and industrial); pressure vessels, filters strainers, process equipment (stainless steel and other); and material handling equipment (nuclear and industrial). Services provided by the company range from engineering concept to detailed equipment/system design, through to installation and commissioning services. The markets served by NEL are the Canadian nuclear utilities, foreign nuclear utilities using the Candu system (through AECL), various industries, and government departments (Defence, Environment, Energy and Public Works).

The OceanChemGroup Limited

32 - 1000 Windmill Road
Dartmouth, Nova Scotia
Canada B3B 1L7

Telephone: (902) 468-2114
Facsimile: (902) 466-5743
Contact: Sean Mullaly, President

The OceanChemGroup Limited specialize in studies relating chemistry to the environmental and earth sciences, and assist their clients to meet the most stringent environmental regulations. With the expertise of their three companies (OCL Services, OceanChem Labs, and OceanChem Research), the group bring together the expertise and experience to define the problem, negotiate a program of assessment or monitoring with the appropriate regulatory agency, collect and analyze samples, interpret data and represent the client in meetings with regulatory agencies. Their modern well equipped laboratories emphasize quality control/assurance in all analyses. They serve industrial and government clients in Canada and the U.S.

OceanChem Labs specializes in trace analysis and ultratrace analysis (both organics and metals) and provide services in consulting and analytical chemistry. Through OceanChem Research, the group is undertaking research to identify and analyse toxins in marine foodstuffs, particularly the paralytic and diarretic shellfish toxins. Services to assess and monitor projects within the coastal environment, such as contaminated site assessment, contaminated site clean-up and project management/supervision related to site assessment and clean-up are provided by OCL Services. Their projects have included port construction, harbour dredging, dredged material disposal and assessing the assimilative capacity of local waters for effluent outfalls.

Offshore Systems Ltd.

1974 Spicer Road
North Vancouver, British Columbia
Canada V7H 1A2

Telephone: (604) 929-7961
Facsimile: (604) 929-3260
Contact: Mark E. Doucette,
Executive Vice President

Offshore Systems Ltd. (OSL) began operations in 1984. The company grew out of an active service company—Offshore Survey and Positioning Services Ltd., founded in 1977. OSL conducts product research, development and marketing. A sales office in Georgia state markets OSL's products in the U.S. OSL develops integrated navigation and computer graphic systems by paid research and development contracts and markets these systems to the transportation and survey industries.

Among Offshore's products is the *Acoustic Profiling & Display System (APDS 1000)*. This system can acquire profile data, process and edit data, produce a digital terrain model, generate two-dimensional contours, generate three-dimensional contours, and generate mosaics. *APDS* is used to gather profile data for bottom mapping around oil rigs and structures as well as pipeline and hydrographic surveys. Special operations have been conducted for the U.S. Navy in the high arctic using *APDS* profiling systems. The *APDS* system has recently been utilised in Dam Inspection Applications.

Patterson Industries (Canada) Limited

250 Danforth Road
Scarborough, Ontario
Canada M1L 3X4

Telephone: (416) 694-3381
Facsimile: (416) 691-2768
Telex: 06-22838
Answerback: PATPROCAN TOR
Contact: Mike Lindsey, Sales
Engineer

Patterson Industries (Canada) Limited, established in 1953, has long been recognized as a leading designer and manufacturer of custom designed equipment for the process industries. A complete range of engineering and manufacturing services relating to heat recovery, heat exchange and energy conservation are provided. Engineering assistance in the application of heat transfer equipment to existing and proposed facilities is available through the assistance of Patterson heat transfer engineers. The company custom designs and manufactures heat exchangers in any weldable material up to 4,650 m^2 (50,000 sq. ft.) in size. Sophisticated computer techniques are utilised in order to provide optimum solutions to the most difficult design problems and complex processes. A repair and re-design service for existing units is also offered to update units of older design to attain optimum performance. Products are supplied to clients in the U.S., Europe, South America and Asia.

Penticton Foundry Ltd.

568 Dawson Avenue
Penticton, British Columbia
Canada V2A 3N8

Telephone: (604) 492-7043
Facsimile: (604) 492-6933
Contact: J. Valentine, Sales
Manager

Penticton Foundry Ltd. was established in 1935. From its 5,600 m^2 (60,000 sq. ft.) of production area, Penticton Foundry casts from 15 to 20 t of metal daily. The company manufactures high quality, varied castings. The company is constantly improving and expanding its production capability by following and adapting modern techniques of casting processes, quality control, and environmental requirements. Castings include various gray ductile iron pot skirts and syphons for the aluminum smelting and manufacturing industries, manhole frames and covers for municipal use, liner plates for crushers in the mining industry, pump castings and pillow blocks for various locations and industries, cable drums and bases for various industries, and services and parts for the lumber industries.

Peto MacCallum Ltd.

165 Cartwright Avenue
Toronto, Ontario
Canada M6A 1V5

Telephone: (416) 785-5110
Facsimile: (416) 785-5120
Contact: G.D. Bonner, President
and General Manager

Peto MacCallum Ltd. is a large Canadian consulting engineering company, established in 1973. It provides a broad range of specialized engineering and technical services related to geotechnical engineering; construction materials engineering; quality control, testing and inspection; and building science services. The staff includes engineers, geologists, technologists, technicians and inspectors. Certified laboratory facilities are operated at each of their five Ontario locations. In over 30 years of operation, the company has carried out more than 40,000 assignments for over 3,500 clients. The company's range of projects includes dams, heavy industrial complexes, pipelines, waste collection and treatment plants, and water supply and treatment.

Phillips Barratt Kaiser Engineering Ltd.

200 - 2150 West Broadway
Vancouver, British Columbia
Canada V6K 4L9

Telephone: (604) 736-5421
Facsimile: (604) 736-1519
Telex: 04-508660
Answerback: PHILBAR
Contact: John E. Akerley, Vice
President

Phillips Barratt Kaiser Engineering Ltd. (PBK) is one of the larger project management and engineering firms and offers a comprehensive range of services to private and public sector clients. PBK provides a full range of coordinated services at all stages of the handling, disposal, and control of solid and liquid, hazardous and non-hazardous wastes—from the planning and design of new facilities to the management and remediation of existing systems. Studies, planning, design, construction supervision and operations monitoring services are offered in industrial waste handling, treatment and disposal; landfill planning and closure; hazardous chemical waste management; energy recovery and recycling; site remediation; air pollution control systems; toxic substance evaluation and control; radioactive waste management; and anaerobic digestion. Established in 1937, PBK now has 200 technicians and professionals in three offices across Canada serving the world market. PBK and its affiliate company, Kaiser Engineering Inc., also serve the U.S.

Plasticair Inc.

4613 Burgoyne Street
Mississauga, Ontario
Canada L4W 1G3

Telephone: (416) 625-9164
Facsimile: (416) 625-0147
Telex: 06-960487
Contact: Richard Sixsmith,
President

Plasticair Inc. is a manufacturer of industrial fans, fume scrubbers and mist eliminators, primarily constructed of plastic materials. The principal products sold are centrifugal fans, vanaxial fans, tubeaxial fans, in-line centrifugal fans, laboratory exhaust fans, mist eliminators, and custom designed and built gas scrubbers. The company has been involved in various projects comprising complete air/water treatment systems including air scrubbers, fans, recirculation tanks, and pH control for acid/alkaline processes. Established in 1980, Plasticair's products are sold throughout Canada and the U.S.

Pluritec Environnement Ltée

383, rue des Forges
Trois-Rivières (Québec)
Canada G9A 2H4

Telephone: (819) 371-3481
Facsimile: (819) 379-8092
Telex: 05-837284
Contact: Georges Binet, Urbanist

Pluritec Environnement Ltée is an engineering design and consulting firm and offers a complete range of resources in the environment sector. The environmental group consists of 17 specialists in biology, forestry, architecture, urban design and mapping. The environmental services offered include environmental impact studies, forestry studies, urban and rural planning, and water, air and soil monitoring. Pluritec's clientele includes governments and municipalities and heavy industry.

Polcon Sales Ltd.

3378 Douglas Street
Victoria, British Columbia
Canada V8Z 3L3

Telephone: (604) 658-2421
Facsimile: (604) 658-4216
Contact: C.A. Laycock, President

Polcon Sales Ltd., established in 1982, designs and manufactures aerators for the treatment of industrial wastewater, treatment of domestic sewage, anaerobic sludge digester circulation, water quality improvement, lake aeration, and pH balancing industrial mixing. These systems incorporate the *HELIXOR*; a subsurface mixing/aerating device constructed of either 45.7 cm (18 in.) in diameter extruded polyethylene or 30.5 cm (12 in.) diameter molded polyethylene, incorporating an integral monolithic helix component throughout its interior length. The units are anchored vertically and are supplied with compressed air (or gas) at their base, creating a highly turbulent flow of air (gas) and liquid.

Pollutech Limited

768 Westgate Road
Oakville, Ontario
Canada L6L 5N2

Telephone: (416) 847-0065
Facsimile: (416) 847-3840
Telex: 21-P06006
Contact: Richard Laughton, Vice
President

Pollutech Limited is a consulting firm founded in 1969 and employing specialists in environmental engineering, chemistry and biology who investigate complex environmental problems. In addition, Pollutech evaluates industrial process and/or manufacturing methods that contribute to environmental problems, and recommends solutions to reduce waste, recover products and increase efficiency. The company has the expertise and capability to provide the overall management and guidance of projects from the conceptual or feasibility phase through to implementation of the corrective facility or process change.

The company provides its services to industry and all levels of government in Canada, Europe and Africa. Its clientele includes the petroleum and petrochemical industries; the mining, milling and smelting industries; the pulp and paper industry; primary steel producers, the food processing industry; the organic and inorganic chemical industry; and a wide variety of secondary manufacturing industries.

Preso Industries Ltd.

3035, rue Sartelon
Saint-Laurent (Québec)
Canada H4R 1E6

Telephone: (514) 334-0036
Facsimile: (514) 334-8567
Contact: J.P. Brunet, President

Preso Industries Ltd. was founded in 1970 and has been manufacturing flow metering equipment for industry and municipalities since 1976. Products include the Ellipse—a type of self-averaging pitot tube aerodynamically shaped to provide exceptional accuracy and turndown ratio; the *Low-Loss Venturi* tube—engineered to provide accuracy and very low permanent pressure losses for liquids, gases, steam and slurries; and meters and gauges used to indicate and determine flow rates of differential pressure flow elements. Preso's products are exported to the U.S., western Europe, Middle East and Australia. Preso is represented worldwide by a network of agents.

Proctor & Redfern International Limited

45 Green Belt Drive
Don Mills, Ontario
Canada M3C 3K3

Telephone: (416) 445-3600
Facsimile: (416) 445-5276
Telex: 06-986173
Answerback: TORFERN
Contact: Frank Moir, Vice President

Proctor & Redfern International Limited was established in 1966 to conduct international projects and is a subsidiary of Proctor & Redfern Limited. The parent company was established in 1912 and is one of Canada's oldest consulting engineering and planning firms. The main market focus of Proctor & Redfern International is in the areas of water supply and treatment, sewage collection and treatment, surface water management, traffic and transportation, and solid waste management. Services offered by the company include feasibility studies, problem identification, project management, planning and support services, contract preparation and administration, evidence and expert testimony, field services, investigations and reports, specialized engineering, tender call and review, liaison with approval authorities, detailed design, and construction management. The company is registered with many international lending agencies and has worked with the United Nations Development Program, the World Health Organization, the World Bank, the Inter-American Development Bank and the Canadian International Development Agency.

Proenco Systems Limited

2 Lowry Drive
Brampton, Ontario
Canada L7A 1A3

Telephone: (416) 840-1700
Facsimile: (416) 840-1208
Contact: Alan Whike, President

Proenco Systems Limited was established in 1980 to serve the continuous coating industry by providing high temperature ovens, pollution control equipment and heat recovery systems. The company's high temperature ovens are normally gas fired and have separate temperature zones and are designed for a maximum operating temperature of 540°C (1,000°F). They have insulated oven enclosures designed to accommodate thermal expansion. The combustion system for the oven zones can be direct fired or can incorporate internal incineration, whereby solvent fumes released from the paint provide a portion of the heat requirements and reduce the pollutants in the exhaust. Proenco incinerators are designed to meet the most stringent emission standards and when incorporating counterflow heat exchangers, operate at the lowest possible running cost. The company's products are sold to the continuous coil coating industry and to the painting operations of the automotive industry.

R.B.H. Cybernetics (1970) Ltd.

P.O. Box 4205, Station A
Victoria, British Columbia
Canada V8X 3X8

Telephone: (604) 478-3122
Contact: V.N.R. Sewell, President

The company produces *Graboil* oil sorbent. *Graboil* is non-polluting and is effective in picking up oil ranging in viscosity from Bunker C to gasoline. Oil absorbed by *Graboil* can be squeezed out by hand or by wringer, and the *Graboil* reused 20 to 40 times. This reduces the sorbent cost, sorbent storage costs, sorbent transport costs and sorbent disposal costs. In final clean-up, used *Graboil* can be burned with minimal gas or ash pollution. Recovered oil can be re-refined. *Graboil* has a place wherever oils are transported, transferred or produced. It can be used on land or water and can be used in conjunction with other recovery apparatus to increase effluent purification efficiency.

R.E. Winter & Associates Ltd.

4255 Sherwoodtowne Boulevard
Mississauga, Ontario
Canada L4Z 1Y5

Telephone: (416) 270-0110
Facsimile: (416) 270-0110
Telex: 06-986766
Contact: J.D. Tremayne, President

R.E. Winter & Associates Ltd. was established in 1955 to offer specialized services in municipal engineering, building engineering, and land development. From its head office and numerous branch offices, projects have included numerous sanitary trunk sewer systems and water distribution systems, as well as pumping stations. In-house support services and facilities include computer aided drafting and design (CADD), project management programming and analysis (PERT/CPM), surveying and mapping, and data processing.

RAB Dedesco Ltd.

106 Schneider Road
Kanata, Ontario
Canada K2K 1Y2

Telephone: (613) 592-3026
Facsimile: (613) 592-3090
Contact: R.A. Barkley, General Manager

RAB Dedesco Ltd. is a manufacturer of Electronic Combustion Analyzers for conducting flue gas analyses on furnaces and boilers. The company was incorporated in 1971 and began manufacturing microprocessor controlled combustion analyzers in 1979. The company manufactures five models of portable analyzers and a continuous combustion monitor to provide continuous monitoring of furnaces, boilers and industrial ovens. A Combustion Trim System has also been developed.

Dedesco analyzers provide measurements of oxygen, carbon dioxide, CO/combustibles, net stack temperature, and provide calculated values for equivalent carbon dioxide from measured oxygen, excess air and furnace efficiency for oil, gas, propane (and coal optional) fuels. The analyzers have established a leading position in the Canadian market and have developed a reputation for reliability and dependability. These products have been exported to the U.S. and to Europe.

Reid Crowther Inc.

7410 Blackfoot Trail S.E.
Calgary, Alberta
Canada T2H 1M5

Telephone: (403) 253-3301
Facsimile: (403) 255-3189
Telex: 03-822780
Answerback: RCPL CGY
Contact: J.M. Atkinson, President

Reid Crowther Inc., established in 1964, has offices located in major centres across Canada, as well as one in the Far North. Internationally, overseas offices are established to meet project requirements. Clients represent a broad cross section of the public and private sectors. Types of services offered include pre-feasibility, pre-investment feasibility studies; economic, financial studies and cost benefit analyses; preliminary/final design; preparation of contract documents and bid evaluation; procurement services; supervision and inspection of construction and equipment installation; project management; start-up operations/commissioning; training, and transfer of technology.

Some environmental projects include numerous sewage and stormwater master plans for various Caribbean governments and for a municipality in Cyprus, wastewater management studies, wastewater treatment plants (project management, process, structural, instrumentation, mechanical design and engineering services), hazardous waste management for Canadian federal and provincial governments, and toxic mining waste rehabilitation (studies, system selection).

Rescan Environmental Services Ltd.

510 - 1111 West Hastings Street
Vancouver, British Columbia
Canada V6E 2J3

Telephone: (604) 689-9460
Facsimile: (604) 687-4277
Telex: 04-508-563
Answerback: RESCAN VCR
Contact: Clem A. Pelletier,
President/Principal

Rescan Environmental Services Ltd. offers environmental and related engineering services to the mining industry. Established in 1981, the company provides expertise in environmental engineering, metallurgy, chemistry, biology, socioeconomics and planning. Rescan's client list includes many of the world's leading companies. Projects have spanned four continents.

The company has conducted environmental impact assessments, feasibility studies, pilot plant evaluations, engineering design, and construction management of waste treatment systems for numerous mining projects. Much of Rescan's experience has been gained from base metal and gold developments. The company is recognized as a specialist in process plant waste treatment technology, tailing disposal using subaqueous, riverine and conventional land techniques, and treatment of surface runoff and acid mine water.

Through actual mine development, operating experience and consulting assignments, the professional staff have gained substantial expertise in handling regulatory, social, logistical, economic and environmental factors which are often critical to project viability.

Resource Integration Systems Ltd.

Suite 2, 400 Mount Pleasant Road
Toronto, Ontario
Canada M4S 2L6

Telephone: (416) 480-2420
Facsimile: (416) 480-2419
Contact: John Bannerman

Resource Integration Systems Ltd. (RIS), established in 1977, specializes in waste management, energy conservation and training. Its proven expertise covers all aspects of the reduction and recovery of municipal, commercial and industrial waste. The company has provided a full range of consulting services to manufacturers, private waste haulers, recyclers, municipalities and senior government agencies in strategic planning, technical and market research, feasibility studies, materials processing centre design, policy research and development, as well as program evaluation, design and management.

A leader in the development of waste reduction and waste recovery programs, the company played a key role in the design of the most cost effective, one man recycling truck now in operation and used in dozens of municipalities across North America. RIS helped to broaden the scope of waste reduction and recovery as a component of municipal waste management master plans and have launched multimaterial recycling programs, maintained participation rates and material recovery levels that are now setting standards for all of North America, and pioneered the development of regional industrial waste reduction programs.

Resource Systems Management International Inc.

133 Wynford Drive
Toronto, Ontario
Canada M3C 1K1

Telephone: (416) 441-2378
Facsimile: (416) 441-4131
Telex: 06-9666-89
Answerback: DELCAN TOR
Contact: Edward R. Bennett,
President

Resource Systems Management International Inc. (RSMI) is a firm of consulting environmentalists, economists, management consultants and planners. The company's four principals have over 60 years of combined consulting experience in Canada and overseas. RSMI provides consulting services in environmental sciences—impact assessment, water supply, fisheries, forestry, waste disposal, pollution control, flood control, environmental standards and policies; planning—design, industrial, site analysis; and management consulting—market analysis, commercial development, project management, and training.

Public sector/government agencies, private developers, industries, and municipalities are among RSMI's clientele. RSMI's senior staff have consulting experience in 40 countries. Engineering support services are provided by their parent company, Delcan Corporation. RSMI's projects have been conducted across Canada, the U.S., Asia and the Caribbean.

Roche Ltd.

2535, boulevard Laurier
Sainte-Foy (Québec)
Canada G1V 4M3

Telephone: (418) 654-9600
Facsimile: (418) 654-9811
Telex: 051-31593
Contact: Pierre Lacroix, President

Roche Ltd., is an integrated, multidisciplinary firm providing studies, engineering, project management, procurement and construction services in Canada and in approximately 20 Latin American and African countries. Roche Ltd. provides professional services in most fields of engineering and in many related fields in the applied sciences. Established in 1967, the company now ranks among the largest Canadian firms of its kind and specializes in 30 different scientific and technical disciplines.

International studies and projects undertaken by Roche Ltd. cover services such as project evaluation, resource assessment and asset appraisal, project coordination and monitoring, economic analyses, engineering design, procurement, equipment testing, cost estimates, policy development, preparation of plans, specifications, strategy development and technical assistance. These services have been applied to municipal water supply treatment and distribution, sewage collection and treatment, municipal and industrial waste management, integrated watershed management, commercial fishing, sea ports, agricultural industries, geotechnics, geology and mining.

Rodrigue Metal Limitée

30, rue Rotterdam
Saint-Augustin (Québec)
Canada G3A 1S7

Telephone: (418) 878-2625
Facsimile: (418) 878-4512
Contact: Andre Theriault, Sales Engineer

Founded in 1975, the Air Filtration division of Rodrigue Metal Limitée has specialized in the design and manufacture of industrial dust collection and air filtration equipment and systems for the woodworking industry in Canada and the U.S. In addition to air and vacuum pumps, compressors, fans, dust extractors, cyclones and dust collectors, the company also produces a full range of standardized pipes and parts and will fabricate a variety of equipment to its clients' exact specifications.

Roger's Steel Products Inc.

1350, boulevard de l'Industrie
Lachenaie (Québec)
Canada J6W 4M4

Telephone: (514) 471-2000
Facsimile: (514) 471-2000
Telex: 05-268724
Answerback: ROGER S LACH
Contact: M. Jean Yip, Manager of Production

Roger's Steel Products Inc., in operation since 1970, specializes in the fabrication of steel and/or stainless steel equipment and products for large industrial and municipal projects in Canada and the U.S. The products that Roger's Steel have been contracted to fabricate include bins, chutes, scrubbers, dust collectors, a variety of water anti-pollution equipment, dryers, ductwork, bucket elevators, conveyors (screw, belt and chain), rotary calciners, flash dryers, furnaces, hoppers, piping, precipitators, separators and tanks. The company also offers metal finishing services such as painting, sandblasting, soundproofing and refractory lining.

Rowan Williams Davies & Irwin Inc.

650 Woodlawn Road West
Guelph, Ontario
Canada N1K 1B8

Telephone: (519) 823-1311
Facsimile: (519) 823-1316
Telex: 069-56639
Contact: Bryan Hayter, Marketing Coordinator

Rowan Williams Davies & Irwin Inc. is a consulting engineering firm, comprised of a staff of 65 and specializing in microclimate studies. The company uses its expertise in physical modelling and instrumentation to conduct a number of environmental studies. The laboratory in Guelph, Ontario was established in 1972 to conduct scale model studies which provide answers to problems associated with wind, snow and airborne pollutants. The tools for this consulting service include a boundary layer wind tunnel, an open channel water flume, and a computer system for data acquisition and analysis supported by a model shop and extensive instrumentation.

The firm's environmental services deal with the impacts of airborne pollutants, wind comfort, and snow accumulation. The air quality work includes studies of building exhaust reingestion, spills of gaseous substances, stack height determination, particulate emissions, internal air quality, smoke migration in buildings, and field monitoring and analysis of weather and contaminants. Wind and snow studies include impacts of wind and snow on the visibility and accessibility of all kinds of facilities. In all studies, problems are defined and where needed, solutions are developed.

Physical modelling studies can be conducted for clients anywhere in the world. The firm has completed the bulk of its studies for clients in Canada and the U.S., but also has experience in Europe, the Middle East and Asia. Distance is not a problem because the work is undertaken in the firm's lab using easily transmitted design information.

RTM Engineering Ltd.

200 - 6130 3rd Street S.E.
Calgary, Alberta
Canada T2H 1K4

Telephone: (403) 253-4465
Facsimile: (403) 252-9494
Telex: 03-822639
Contact: Bill Barron, Comptroller

RTM Engineering Ltd., incorporated in 1979, is Calgary based with offices in Edmonton, Vancouver and Ottawa. RTM offers engineering, design, procurement and construction supervision services. The founding principals have extensive experience in project engineering and industrial process engineering. Energy management, HVAC design, building science, heat recovery, indoor air quality and building system retrofit are prime engineering service areas. RTM has also conducted studies in industrial and hazardous waste management. The company's clients include the oil refining industries in Canada and in the U.S. Numerous projects have been conducted in Africa and Asia.

Sandwell Swan Wooster Inc.

700 - 1190 Hornby Street
Vancouver, British Columbia
Canada V6Z 2H6

Telephone: (604) 684-9311
Facsimile: (604) 688-5913
Telex: 04-51275
Contact: H. Verwest, Vice President, International Business Development

Sandwell Swan Wooster Inc. is one of the largest engineering companies in Canada. The company has been responsible for all facets of environmental engineering from initial investigation of the environmental impact to detailed design of processes. In this area, Sandwell Swan Wooster has been the recipient of several Awards of Excellence both in Canada and in the U.S., and has provided services to clients worldwide.

Their environmental engineering group includes experts in chemical, civil, and environmental engineering and research. The group specifically concentrates on water and wastewater treatment, toxicity reduction, noise attenuation and solid waste management for industry. Included in the services of water and wastewater treatment are sampling, measuring and testing of waters and wastewaters; bench scale and pilot plant studies; design and equipment selection for treatment systems; pure research and applied research into new methods of effluent treatment; inplant evaluations and reviews; evaluation of means to upgrade existing treatment systems; and assistance to the client in securing permits, interpreting regulatory requirements and presenting findings to appropriate regulatory departments.

Scepter Manufacturing Co. Ltd.

807 Pharmacy Avenue
Toronto, Ontario
Canada M1L 3K2

Telephone: (416) 752-2200
Facsimile: (416) 752-8512
Telex: 06-963524
Contact: David Lister, Marketing Manager

Established in 1954, Scepter Manufacturing Co. Ltd. produces a complete range of plastic and reinforced fibreglass plastic (RFP) pipes and fittings from 1.27 to 76.2 cm (0.5 to 30 in.) diameter and from the normal plumbing and industrial products to the large diameter water and sewer mains. Scepter has three PVC extrusion plants and three injection moulded plants located in Toronto, Edmonton and Montreal.

Products include PVC drain waste and vent pipe and fittings, PVC water and sewer main, *Blazemaster* fire sprinkler systems, industrial SCH 40 and SCH 80 PVC and CPVC pipe and fittings, PVC electrical conduit pipe and fittings, and PVC electrical duct pipe and fittings. The products are sold worldwide; high volume export items are the potable water and sewer products.

SCI-TEC Instruments Inc.

1526 Fletcher Road
Saskatoon, Saskatchewan
Canada S7M 5M1

Telephone: (306) 934-0101
Facsimile: (306) 978-2339
Telex: 074-2487
Answerback: SCI-TEC SKN
Contact: Ken Lamb, Vice President, Science Division

SCI-TEC Instruments Inc., established in 1981, has developed, marketed and sold a number of highly sophisticated scientific products for specific application both in Canada and overseas. The company has won awards of excellence for two of these products. The company has its own in-house technical and scientific expertise capable of taking a product from concept to market.

The first product developed by SCI-TEC and Atmospheric Environment Service (AES, Toronto) was the Brewer Ozone Spectrophotometer. This product is an all weather, microprocessor controlled, fully automated instrument used for monitoring the amount of sulphur dioxide and ozone in the atmosphere. Another significant product is *PETRO TAG* which represents a major breakthrough in the technology of Fluid Level Monitor. Applications are far reaching and the company is concentrating on the petroleum industry where there is a multi-million dollar market. SCI-TEC's products have been sold to 12 countries including the U.S., Japan, and West Germany and are rapidly gaining a worldwide reputation.

Scintrex Limited

222 Snidercroft Road
Concord, Ontario
Canada L4K 1B5

Telephone: (416) 669-2280
Telex: 06-964570
Contact: Robert Mitchner, Product Manager

Scintrex Limited is a high technology company engaged in the research, design and manufacture of geophysical and geochemical exploration instrumentation, analytical instruments including nuclear reactor monitoring devices, defence related equipment and other scientific products. The company operates its business from facilities located in Canada and Australia and exports to every continent. Products related to environmental monitoring include the *AAZ-2*—a flameless atomic absorption spectrophotometer; the *LMA-3*—an ultrasensitive nitrogen dioxide monitor; and the *VA-3*—a laser based uranium analyzer. Established in 1961, Scintrex products are sold worldwide to atmospheric research chemists, the hazardous waste and toxic chemical communities, and the nuclear industry.

Seakem Oceanography Limited

Argo Building, P.O. Box 696
Dartmouth, Nova Scotia
Canada B2Y 3Y9

Telephone: (902) 463-0932
Facsimile: (902) 464-9602
Contact: Fred Guptill, Vice President, East Coast Operations

Seakem Oceanography Limited is a research, development and consulting firm with offices on both the east and west coasts of Canada and 70 scientists and technicians with specialties in aquatic chemistry, environmental assessment, toxicology, aquatic biology, physical oceanography and ocean instrumentation. Facilities include modern analytical chemistry and biological laboratories, electronics workshops, instrument calibration and maintenance facilities. The east coast laboratory is one of the few analytical laboratories in Canada certified by the Standards Council of Canada for trace organic analyses.

The company has conducted studies of both short-term and long-term toxicity of contaminants to marine and freshwater organisms. Studies have ranged from the effect of acidity on metal accumulation in salmonids to the sub-lethal effects of dissolved oil on marine fish and invertebrates. Studies in the physical sciences focus on physical oceanography and ocean instrumentation. The company has a capability to design physical oceanographic study programs, collect and analyze data, and to conduct numerical modelling of physical oceanographic phenomena. Studies have ranged from provision of wave data for offshore drill sites to mathematical modelling of sea ice formation and tidal forcing of bays. A large inventory of data collection instrumentation to measure waves, currents, tides and wind is maintained.

SEATECH Investigation Services Ltd.

1127 Barrington Street
Halifax, Nova Scotia
Canada B3J 3C4

Telephone: (902) 423-5296
Facsimile: (902) 420-0674
Contact: Clive MacGregor,
President/Oceanographer

SEATECH Investigation Services Ltd. specializes in oceanographic/environmental services for design and impact assessment. The company often acts as a third party inspection or assessment service to companies not maintaining oceanographers, chemists and biologists on staff. Founded in 1980, the company has completed over 80 major research or assessment studies in the aquatic field.

By maintaining its own oceanographic/testing equipment and analytical laboratory, the company is able to provide a fast and effective testing response. Monitoring has been undertaken in such diverse locations as the Norwegian North Sea, Sable Island in Canada, and Grenada in the West Indies. Monitoring inspection jobs have included effluent impact assessment. Projects have included oil spill monitoring (chemical), acid rain impacts and specialized research in trace organics in the oceans. SEATECH has recently developed a low priced battery powered portable U.V.—visible Spectrophotometer for field use in environmental monitoring. The company has also developed test kits for organochlorine pesticide residues in soils and microbial contaminant in fuels.

Seimac Limited

271 Branlow Avenue
Dartmouth, Nova Scotia
Canada B3B 1W6

Telephone: (902) 468-3007
Facsimile: (902) 468-3009
Contact: Joseph H. Seiler,
President

Seimac Limited, established in 1978, is an electronics engineering, design and manufacturing company. Development of data acquisition systems for use in tough environments is a particular specialty. Seimac has significant experience in Arctic instruments for scientific and military use. The *Accurate Surface Tracker (AST)* is designed to accurately track the movement of the first metre of the water column and is available with an enhanced sensor array including air and water temperature, barometric pressure, and salinity. The *AST* is most useful for tracking 'tarry lumps' suspended in the top metre of the ocean following an oil spill. Other products include the Aquaculture Tank Monitor, Aquaculture Water Monitor, the Aquaculture Research Monitor, and The Arctic and Ice Monitoring System. Their products are exported to the U.S., U.K., France, Italy, Australia and New Zealand.

SENES Consultants Limited

4 - 52 West Beaver Creek Road
Richmond Hill, Ontario
Canada L4B 1G5

Telephone: (416) 764-9380
Facsimile: (416) 764-9386
Contact: Dr. Don Gorber,
President

SENES Consultants Limited provides specialist consulting services in various aspects of environmental science, assessment and management. These services are supported by a professional staff of environmental engineers and scientists. In addition, the company has associations with acknowledged specialists in fields such as biochemical engineering, biology, occupational health, toxicology and statistics to complement the range of services offered to their clients. Since its formation in 1980, SENES has participated in more than 400 projects across Canada, in the U.S., Central and South America, and Europe.

The company's services include environmental monitoring, environmental assessments, risk assessments, low level radioactive waste management, database management and computer modelling, hazardous waste management, inventory compilation, occupational and environmental health, regulations, analyses, project management, solid waste management, and site selection. Government agencies, large and small industries, research organizations and public interest groups are among SENES' clientele.

Seprotech Systems Incorporated

2378 Holly Lane
Ottawa, Ontario
Canada K1V 7P1

Telephone: (613) 523-1641
Facsimile: (613) 731-0851
Telex: 053-4922
Answerback: HOVEY
Contact: Orest Zacerkowny,
Director of Marketing

Seprotech Systems Incorporated, established in 1985, has manufactured and installed a variety of membrane systems utilizing microfiltration, ultrafiltration and reverse osmosis technologies and has established itself as a leader in the application of membrane technology in Canada. Extensive manufacturing capabilities allow Seprotech to produce systems ranging from simple water purification units to sanitary systems used in the food processing, pharmaceutical and biotechnology industries which meet or exceed the strict specifications of 3-A.

As a member of the Hovey group of companies, Seprotech has access to a variety of manufacturing and technical expertise. Hovey Industries Ltd. is an engineering and manufacturing company, which also holds a majority interest in Tech 5 Ltd. and in Mechron Energy Ltd. The company prides itself on its ability to understand the needs of a client, respond to these needs with appropriate systems designs, and provide after-sales support through prompt, professional service. Seprotech's markets include Canada and the U.S.

Shred-Tech Limited

201 Beverly Street, P.O. Box 1508
Cambridge, Ontario
Canada N1R 7G8

Telephone: (519) 621-3560
Facsimile: (519) 621-0688
Telex: 06-959323
Answerback: SHREDTECH CMBG
Contact: John Bell, President

Shred-Tech Limited is a pioneer in the high torque, low speed shredding of waste in North America and has systems that can shred up to 600 t/d. Backed by an extensive research and development program, they have designed a series of machines featuring accurate material sizing and mechanical reliability with minimal knife wear. Shred-Tech shredders virtually eliminate the noise, dust and vibration problems associated with high speed equipment. Acoustic enclosures, special foundations and dust collection systems are not required. Shredders for metal recycling range from 7.5 hp for steel turnings and aluminum cans to 400+ hp machines for baled copper wire and cable and aluminum scrap.

Uses for Shred-Tech equipment and systems are found in every industry. Since 1978, they have designed, manufactured and installed over 300 systems, from high security in London, U.K. to MSW in Kuala Lumpur, Malaysia.

Sidbec-Dosco Inc.

300, rue Léo-Pariseau
Montréal (Québec)
Canada H2W 2S7

Telephone: (514) 286-8600
Facsimile: (514) 286-8649
Telex: 0524515
Contact: Raymond Leblanc, Manager, Commercial Research and Administration

Sidbec-Dosco Inc., founded in 1928, operates plants in Quebec and Ontario with steel making capacity in the 1.2 million t/y range. An electric furnace from which slabs and billets are produced by continuous casting is the process used. Semi-finished products are used downstream by finishing facilities to produce flat rolled products (hot, cold and pickled) bars and shapes (flat bars, angles, channels), wire rods, wire, nails and pipe. Most products are supplied to ASTM-A-53, ASTM-A-120 or A-589 specifications.

The continuous buttweld pipe mill in Montreal produces pipe in nominal sizes of 1.27 to 10.2 cm (0.5 to 4 in.) inclusive. Wall thicknesses can be standard or extra strong. Pipe can be supplied in the bare, varnished or hot dipped galvanized surface finishes; end finishes include plain, bevelled, threaded, and grooved. An electric resistance weld mill enables Sidbec-Dosco to supply products in the 5 to 15.25 cm (2 to 6 in.) nominal diameter range. Since 1960, the mills have supplied pipe for various industries in Canada and the U.S.

Simcoe Engineering Group Limited

345 Kingston Road
Pickering, Ontario
Canada L1V 1A1

Telephone: (416) 286-2285
Facsimile: (416) 286-1361
Contact: Tom Fowle, President

Simcoe Engineering Group Limited, established in 1974, is an organization of professional consulting engineers and scientists providing multidisciplinary services to both public and private sector clients across Canada and abroad. The Group provides development, design and construction supervision services for large scale and complex projects, such as water supply, wastewater treatment, stormwater management, bio-hazard facilities and advanced control systems.

Studies and investigations, process selection, design, contract documents, construction supervision, commissioning, testing and fault detection, computer applications, software, government approvals, expert testimony, and training are among the services provided. The company has also developed strong expertise in the design and installation of supervisory control and data acquisition systems (SCADA). Simcoe's clientele includes utilities, industry, governments, municipalities and other consultants. Their U.S. subsidiary, Simcoe Group Inc., serves the U.S.

Smart Turner Limited

191 Barton Street East
Hamilton, Ontario
Canada L8N 3S8

Telephone: (416) 527-4567
Facsimile: (416) 527-7173
Contact: T.D. Lindermere, General Manager

Smart Turner has been a manufacturer of centrifugal pumps since 1902. Their line of pump products form a consistent set of ranges from which both standard and specially fitted pumps can be produced. With a high level of interchangeability and sophisticated computer systems, the pumps are produced efficiently and economically while providing the flexibility of fitting the individual unit to precisely meet service demands. Products include end suction, sump, cantilever, non-clog, double suction, multi-stage, steam and power pumps. Smart Turner pumps are exported worldwide.

The SNC Group Inc.

2, place Felix-Martin
Montréal (Québec)
Canada H2Z 1Z3

Telephone: (514) 866-1000
Facsimile: (514) 866-0795
Telex: (021) 055-60042
Answerback: SNC MTL
Contact: Gilles Fournier, Vice President, Technology, Environment and Public Works

SNC Inc. has provided municipal and industrial engineering services since 1911. Through its Canadian and international offices, it has completed projects in over 100 countries. Its environmental projects have included water supply and treatment systems, sewerage networks, waste treatment plants and air pollution control systems. In treating industrial and municipal waste, SNC engineers try to recover and recycle material to reuse in the process or to produce energy.

SNC's expertise in integrated solid waste management is unique among Canadian firms and it is a leader in the conversion of solid waste and biomass. The Montreal Urban Community pumping station, one of the world's largest, can lift 6,000 m^3/min (3,500 cu. ft./sec.). SNC won three engineering awards in recognition of the unique clover leaf design of the wet well.

The company provides a complete range of project management, engineering and construction services. Other services include oil production from sewage sludge; solid waste management, recycling and energy recovery; water management, conservation and recycling; elimination of PCBs and other organic contaminants; neutralization of inorganic toxic wastes; decontamination of polluted water tables; technology transfer programs; operation and maintenance.

Solarchem Enterprises Inc.

5 - 40 West Wilmot Street
Richmond Hill, Ontario
Canada L4B 1H8

Telephone: (416) 764-9666
Facsimile: (416) 764-9669
Contact: Adele Bockley, Project Scientist

Solarchem Enterprises Inc., founded in 1984, has grown to become one of Canada's pre-eminent companies in advanced photochemical technology. Its highly qualified staff are dedicated to the development, manufacturing and marketing of advanced environmental protection and remediation processes. Continued work has led to major developments, including several patented and proprietary processes, in photochemical synthesis and advanced systems for the economical removal of contaminants from air, water and soil. This technology offers practical solutions to enable a wide range of waste generators and water users to meet increasingly stringent environmental, safety and quality requirements. Chemical plants, pulp and paper mills, metal treatment and other industries discharging wastewaters, as well as chemical, auto and other plants with air exhaust emissions are clients of Solarchem.

Solinst Canada Ltd.

515 Main Street
Glen Williams, Ontario
Canada L7G 3S9

Telephone: (416) 873-2255
Facsimile: (416) 873-1992
Contact: Doug Belshaw, President

Solinst Canada Ltd. manufactures high quality groundwater monitoring equipment which enables hydrogeologists and geotechnical or environmental engineers to obtain detailed accurate groundwater information. Instruments are used in a variety of situations—for preliminary aquifer assessments, ongoing monitoring programs, and contamination studies.

The company became a major supplier of groundwater monitoring instrumentation by developing a variety of special samplers, sampling systems, and other groundwater monitoring instruments. Founded in 1975 to service the instrumentation needs of the geotechnical community in Canada, Solinst began manufacturing in response to a growing need for an accurate water level indicator to measure static water levels, with ease and reliable repeatability. The product line includes the patented Waterloo Multilevel System which allows groundwater samples and pressure measurements to be obtained from multiple discrete zones in a single bedrock borehole. This allows the development of a detailed three-dimensional groundwater profile; drilling expenses and the costs of ongoing fieldwork are reduced.

Sonitec Inc.

5625, chemin Côte-de-Liesse
Saint-Laurent (Québec)
Canada H4M 1V2

Telephone: (514) 744-2155
Contact: Alain Blais, President

Founded in 1984, Sonitec Inc. designs, manufactures and installs instrumentation for water treatment applications. Products include *Scalemaster* for the electrostatic treatment of water—conductivity: 0 to 1,800 L/min (480 U.S. gal./min.); a water conductivity measuring instrument of the *Scalemaster* type which features four scales and digital readouts; and instrumentation for liquid processing by reverse osmosis—ultrafiltration and microfiltration, 0 to 1,800 L/min (480 U.S. gal./min). These products are sold in Canada, the U.S., Mexico, and the U.K.

Spider International Ltd.

P.O. Box 3240, Station B
Fredericton, New Brunswick
Canada E3A 5G9

Telephone: (506) 459-7782
Facsimile: (506) 450-0829
Telex: 014-2281
Contact: Victor Nowicki, Vice President

Spider International Ltd. was established in 1985 to provide multidisciplinary professional services for agricultural and water resource development projects, principally in developing countries. The company takes an ecological approach to projects and emphasizes 'Sustainable Productivity through Integrated Development of Energy and Resources'. Services have been provided in Asia, Africa, the Caribbean and Latin America and have included project and program identification and development studies, project management, implementation, and monitoring and evaluation.

Spiro Vibro Inc.

3737, boulevard Lite
Laval (Québec)
Canada H7E 4X8

Telephone: (514) 324-5050
Facsimile: (514) 661-1932
Telex: 055-61595
Contact: Savio Ricciardi, Sales Manager

Spiro Vibro Inc., founded in 1978, operates from its 15,000 m^2 (160,000 sq. ft.) facilities which includes a 4,650 m^2 (50,000 sq. ft.) plant with computer controlled metal cutting, forming, breaking, and punching machinery, as well as CAD/CAM. The company manufactures for the air conditioning and ventilation market, including vibration and noise control equipment. Among its products and major custom products are cooling towers, silencers, tunnel ventilators, soundproof trucks, acoustic operator booths and walls and doors, isolators and dust collection systems.

SRD Sustainable Resource Development Inc.

222 Somerset Street, Suite 600
Ottawa, Ontario
Canada K2P 2G3

Telephone: (613) 234-1781
Facsimile: (613) 563-9621
Telex: 053-3696
Answerback: AGRODEV OTT
Contact: P.A. Turnbull, Vice President

Established in 1976, SRD Sustainable Resource Development Inc. has extensive experience implementing environmental projects. In response to clients' concern for environmentally sustainable development of a resource, the company provides services in bioresource inventories, socioeconomic surveys, environmental monitoring, environmental impact assessments, environmental conservation strategies, environmental protection policies, environmental audits, and sustainable resource planning and environmental management. The multidisciplinary team of 30 professionals have conducted feasibility studies in Canada and in over 20 countries in Africa, Asia and South America.

Stanley Associates Engineering Ltd.

10160 - 112th Street
Edmonton, Alberta
Canada T5K 2L6

Telephone: (403) 423-4777
Facsimile: (403) 421-4300
Telex: 037-41432
Answerback: STANLEY NR
Contact: Ron Triffo, Manager, International Business Development

Stanley Associates Engineering Ltd. is a consulting civil engineering firm operating from 14 offices in Canada and various project offices overseas. The company specializes in environmental projects. Founder, Dr. D.R. Stanley is a world renowned expert in environmental pollution control and a member of the World Health Organization's Expert Advisory Panel on Environmental Health. The company is at the forefront of advanced wastewater treatment technology and was involved in the development of biological nutrient removal. They are currently retained as expert advisors in wastewater treatment technology and solid waste management.

Consulting services include initial project identification through to feasibility studies and detailed designs, to construction supervision, operational guidance and monitoring of water supply, sanitation, air pollution, solid waste management, toxic waste handling and disposal, and integrated land planning. The company has successfully completed projects financed by the major international agencies including the World Bank, World Health Organization, United Nations Development Programme, Asian Development Bank and Canadian International Development Agency.

Stedtnitz Maritime Technology Limited

P.O. Box 374, Duquette Road
Eganville, Ontario
Canada K0J 1T0

Telephone: (613) 628-2064
Facsimile: (613) 628-2064

Stedtnitz Maritime Technology Limited (SMT), established in 1984, developed the *Acoustic Flowmeter for Remote Areas (AFFRA)*—a system suitable for both arctic and tropical regions and used extensively by the Canadian government. The *AFFRA* provides for measured data to be transmitted via satellite, radio cell network or modem over standard phone lines. Transmission is triggered by a programmed, built-in clock or by external request. The case and plugs are watertight and the power consumption is low, allowing solar energy as an alternate power source. The professionals at SMT have over 30 years' experience in research and development.

Super Vac Inc.

760, rue Petit Saint-Jean
Saint-Jean-Chrysostome (Québec)
Canada G6Z 2L1

Telephone: (418) 839-5702
Contact: Leonard Lariviere, President

Super Vac Inc., founded in 1979, is a manufacturer of special purpose systems for vehicles. The main markets are in Canada and the U.S. The company's line of systems includes the *3-in-1* which is a vacuum cleaner, sewer cleaner and street flusher. All three systems can be mounted on a truck body that has a maximum of 4.95 m (195 in.) of wheel base. Another product is the *Liquid Ring Pump* where the water rotation inside the pump reduces the risk of overheating and wear; its constant vacuum ensures reliability. Super Vac also manufactures pressure pumps from 544 to 4,530 kg (1,200 to 10,000 lb.); a vacuum pump—no impeller, no friction; and tanks from 4,500 to 32,000 L (1,200 to 8,500 U.S. gal.) capacity with full opening rear panels.

Superburn Systems Ltd.

200 - 409 Granville Street
Vancouver, British Columbia
Canada V6V 1T2

Telephone: (604) 732-1077
Facsimile: (604) 662-8312
Contact: Bert Put, Vice President,
Marketing and Sales

The Superburn technology—the *Revolving Fluidized Bed (RFB)*, was developed 20 years ago. In 1982, Superburn Systems Ltd. was incorporated and the worldwide patents and rights were purchased. The *RFB* is a combustion system which can be used to burn a wide variety of fuels, particularly municipal and pulp mill wastes. The facilities can be designed to burn anywhere from 15 t/d to in excess of 500 t/d of refuse. Other fuels can be burned such as wood wastes, waste oils, and sewage sludge. This type of fluidized bed combustor can also be used for hazardous wastes. The *RFB* has many distinct features which make it most suitable for municipal waste.

Surfline Engineering Limited

170 Joseph Zatzman Drive
Dartmouth, Nova Scotia
Canada B3B 1L9

Telephone: (902) 463-3550
Facsimile: (902) 463-0216
Contact: Michael McAloney,
Manager, Business Development

Established in 1975, Surfline Engineering Limited is a diversified engineering, design, product development and manufacturing company in the broad fields of instrumentation, industrial control and data acquisition. The majority of Surfline's business is with the monitoring and control of water and wastewater systems. Surfline designs, manufactures, installs and provides technical support for a family of Supervisory Control and Data Acquisition (SCADA) products. The company also provides project and system design, engineering design and/or manufacture of control/instrumentation panels, and software development. Municipal water and wastewater facilities use Surfline pump control stations, communication networks, central monitoring stations and turnkey control and monitoring systems. Surfline pump controllers and other control and monitor products are purchased by pump manufacturers and panel builders for a wide range of industrial applications.

Tecsult International Ltd.

85, rue Sainte-Catherine ouest
Montréal (Québec)
Canada H2X 3P4

Telephone: (514) 287-8500
Facsimile: (514) 287-8643
Telex: 055-60122
Answerback: Tecsult Mtl.
Contact: M. Luc Benoit, President

Founded in 1961, Tecsult International Ltd. has worked in 20 countries in North, Central and South America, Africa, Asia and Europe. Tecsult offers services in most engineering disciplines—environment, water resources, agriculture, forestry, data processing and complete management services. The company conducts ecological and impact studies, environmental follow-ups, management of resources and territories, teledetection, and studies and management of water systems and the treatment of toxic wastes. Tecsult's projects include management of Lake Bagre Territory in Burkina Faso, study and management of aquatic life in James Bay rivers in

Canada, physical and chemical studies comprising 1,200 lakes in Canada, forest inventories and management in many countries in the Americas and Africa, water supply and sewerage systems in Canada and Africa, and the treatment of toxic wastes in Canada, the U.S. and Asia.

Temprite Industries Limited

6470 Viscount Road
Mississauga, Ontario
Canada L4V 1H3

Telephone: (416) 678-7780
Facsimile: (416) 678-9669
Contact: W.P. Lucas,
Vice President, Sales

Temprite Industries Limited, established in 1961, designs and manufactures air moving and control systems for customers worldwide. The company's staff exceeds 200 and includes engineers and engineering technicians. It has offices throughout Canada and sales and service agents throughout the U.S. A full range of services is provided—from defining design parameters to successful startup, including maintenance. Products include air replacement systems, heat recovery systems, ultra clean environmental filtration systems, catalytic and thermal fume abatement systems, and programmable logic control systems.

The company fabricates the custom designed equipment at their modern 8,000 m^2 (90,000 sq. ft.) plant in Orangeville, Ontario. Temprite also operates a Parts and Service division and a Research and Development division. State-of-the-art automated tools are employed in all phases of design and manufacture, including CAD/CAM and order tracking.

Tenco Machinery Ltd.

1318, rue Principale
Saint-Valérien (Québec)
Canada J0H 2B0

Telephone: (514) 549-2411
Facsimile: (514) 549-2410
Contact: Pierre Metra

Tenco Machinery Ltd., established in 1976, manufactures snow and de-icing, forestry and recycling machinery, as well as high density vertical balers and high performance horizontal balers for baling corrugated paper, plastics, glass, non-ferrous metal and municipal solid wastes (MSW). Tenco also produces a heavy duty drum crusher that can compact a 200 litre (45 gal.) drum to 10 cm (4 in.)—8:1 reduction. Its products are sold to municipalities to extend the life of landfills and to industries to reduce environmental problems. Tenco's products are sold in Canada, the U.S. and France.

Terra Surveys Limited

2060 Walkley Road
Ottawa, Ontario
Canada K1G 3P5

Telephone: (613) 731-9571
Facsimile: (613) 731-0453
Telex: 053-3502
Answerback: GEOTERRA
Contact: J.R. Depper, President

Terra Surveys Limited is one of Canada's largest resource mapping and development organizations. The company, established in 1966, specializes in the provision of geodetic surveys by ground, airborne, satellite and inertial methods; hydrographic surveys by conventional seagoing methods and by the airborne Larsen 500 Scanning Lidar Bathymeter system; acquisition of aerial photography at large, medium and small scales, and the preparation of topographic, hydrographic and orthophoto maps and charts by conventional and digital methods.

Terra's consulting, engineering and technical services are available around the world for surveys and mapping projects at any level of participation from advisory and supervisory to full responsibility for implementation.

Tillyard Scientific Services Ltd.

4 Melanie Drive, Suite 12
Brampton, Ontario
Canada L6T 4L1

Telephone: (416) 792-2222
Facsimile: (416) 792-3535
Telex: 06-97513
Contact: K. Coulter, Vice President

Established in 1987, Tillyard Scientific Services Ltd. provides consulting services specific to asbestos hazard assessment and its abatement. The expertise required to deal with issues concerning architectural, structural, HVAC/electrical requirements, fire safety, indoor air quality and occupational hygiene is offered by the company's experienced group of engineers and building scientists. The company deals with a wide range of industrial, commercial and institutional projects.

Toxics Recovery Systems International Inc.

44 Fasken Drive, Unit 14
Rexdale, Ontario
Canada M9W 5M8

Telephone: (416) 674-0726
Facsimile: (416) 674-0836
Telex: 23-7601100
Contact: Dr. Bernard Fleet,
President

Toxics Recovery Systems International Inc. specializes in chemical waste management for the printed circuit board and electronics industries. The company is at the leading edge of 'zero discharge, zero sludge' resource recovery technology. Compliance with local environmental limits is guaranteed in writing. Their systems are designed to meet future, more rigorous limits. Performance is assured through the conservative application of established technology and through designs engineered for high reliability and ease of maintenance; downtime is kept to a minimum. The systems are fully automated and easy to use, and full engineering and ongoing customer support including state-of-the-art remote diagnostics are provided.

Clients are able to link up with the company's computer and support staff using a standard telephone line to obtain detailed troubleshooting and maintenance advice. The company also designs and manufactures process control systems targeted at other environmental applications. Their systems are in use in Canada, the U.S. and Asia.

Trecan Combustion Limited

6685 Millcreek Drive, Unit 6
Mississauga, Ontario
Canada L5N 5M5

Telephone: (416) 826-8631
Facsimile: (416) 826-8696
Contact: Peter Miller, General
Manager

Since 1972, Trecan Combustion Limited has specialized in the design, manufacture, installation, commissioning and service of industrial combustion equipment and systems. Emphasis is given to incineration systems for solid, liquid, and gaseous wastes including low level radioactive waste, biomedical waste and sour gases. More than 100 systems have been supplied to numerous countries including the U.S., Mexico, Ireland, Oman and Syria.

The company's unique oil and gas fired snow melters which are available in capacities of 20 or 40 t/h (or multiples thereof) make a significant environmental contribution by eliminating the dumping of contaminated snow in rivers, lakes or other environmentally sensitive areas. Several hundred snow melters are in use throughout the U.S. and Canada.

Trojan Technologies Inc.

845 Consortium Court
London, Ontario
Canada N6E 2S8

Telephone: (519) 685-6660
Facsimile: (519) 681-8355
Telex: 064-7219
Answerback: TROJAN LDN
Contact: Hank Vander Laan,
President

Trojan Technologies Inc., established in 1977, offers a comprehensive range of quality UV Disinfection systems ranging in flow rates from 9 to 670 L/min (2 to 150 gal./min) for a municipal wastewater disinfection system. The company's product line includes the *System UV2000*—an open channel, gravity flow, modular UV disinfection system for municipal/industrial wastewater disinfection of which there are 100 installations in operation; *UV6000 Systems*—pressurized UV disinfection systems for industrial/municipal drinking and process water applications with flow rates of 45 to 3,600 L/min (12 to 800 gal./min); and *UV400/600 Systems*—small flow cost UV disinfection systems for residential and commercial installations—flow rates of 9, 22, 32 and 36 L/min (2, 5, 7 and 8 gal./min). Their clients include municipal governments for both waste and drinking water disinfection, and industries. Trojan exports to every continent.

TYDAC Technologies Inc.

1600 Carling Avenue, Suite 310
Ottawa, Ontario
Canada K1Z 8R7

Telephone: (613) 722-7472
Facsimile: (613) 722-5385
Contact: Michael Simmons, Vice
President, International
Operations

Since 1982, TYDAC Technologies Inc. has specialized in the development of stand-alone microcomputer-based geographic information systems (GIS) and related applications. TYDAC is a member of the Kinburn group of companies, one of North America's fastest growing technology groups, and has office locations in Canada, the U.S. and U.K.

The company's product is *SPANS—SPatial ANalysis System*. *SPANS* and its related packages are directed to the GIS professional who wants a standalone desktop workstation with strong data integration, analytical and modelling capabilities. A pioneer in the use of the quadtree data structure, *SPANS* can rapidly process complex geographically referenced data bases (vector and raster) and images of varying resolution. The system operates on ATs and 386-based microcomputers. The company is committed to the development of GIS technology from a user perspective and most employees have strong GIS user and applications backgrounds. The company provides customers with GIS training, consulting support, a service bureau, and assistance in developing data bases and software tailored to specific customer GIS applications.

Tykron Industries Ltd.

570 Alden Road, Unit 11
Markham, Ontario
Canada L3R 8N5

Telephone: (416) 470-9080
Facsimile: (416) 470-9084
Contact: Pat Hewett, General
Manager

Tykron Industries Ltd. specializes in the design and manufacture of commercial and industrial air cleaning equipment. Incorporated in 1979, Tykron is a leader in innovative and practical ways to solve airborne contamination problems. They produce a complete line of air cleaners and air cleaning systems. The company considers the high maintenance and fluctuating efficiencies associated with conventional air cleaning systems in designing its filtration units. All systems have a balanced four stage filter bank commencing with a washable aluminum prefilter, followed by a trifilter tackified pad, then a secondary ASHRAE filter, ending with an absolute HEPA (High Efficiency Particulate Air) filter with an efficiency up to 99.995 percent at .3 micron. Tykron filter systems can guarantee a minimum particulate retention of up to 99.997 percent at .3 micron—essential in some critical fume applications. The company has professional engineering and technical staff available to solve the many special purpose air cleaning problems found in industry. Tykron's products are distributed throughout Canada and the U.S. directly and through distributors.

UNIES Ltd.

1666 Dublin Avenue
Winnipeg, Manitoba
Canada R3H 0H1

Telephone: (204) 633-6363
Telex: 07-55146
Contact: Gordon A. Spafford,
President

UNIES Ltd. was formed in 1970 to specialize in the study and analysis of projects involving multiple resources and impacts and to offer the services that defined problems and presented solutions in the broadest possible context. Professional staff includes civil, mechanical, agricultural engineers and an engineering physicist. The services of experts in other disciplines are engaged on a project basis. Since 1970, UNIES has completed over 600 assignments. These have included most areas of civil engineering design, water resource management, energy management, hydraulic design, hydrological analysis, housing technology research, mechanical systems design, system analysis and the definition of natural physical systems.

Principal clients have been the Canadian federal and provincial governments, industry, and other consulting firms. Water resource and mechanical design assignments have been completed for U.S. customers. Other international assignments have been in Peru, Colombia, Equador, Cuba, Swaziland, Indonesia, Nepal and Japan.

Universal Systems Ltd.

270 Rookwood Avenue
Fredericton, New Brunswick
Canada E3B 2M2

Telephone: (506) 458-8533
Facsimile: (506) 459-3849
Telex: UC 7601184
Answerback: USLS
Contact: Rick Nyarady,
Applications Engineer

Universal Systems Ltd. was incorporated in 1979 to develop and market a state-of-the-art software system under the name *CARIS* (Computer Aided Resource Information System). *CARIS* has extensive applications in computer assisted mapping and database management. *CARIS* is composed of a series of software modules which allow the user to tailor a system to a specific application.

Typical applications of *CARIS* include interactive compilation of charts and maps from databases, marine and hydrographical database management, property and assessment information systems, resource management and thematic mapping, photogrammetric topographical mapping, municipal infrastructure management, ecological and mining applications, facilities management. The overall system design is based on extensive research in data structures and the management of geographical data. The results of this research have made it possible for the company to compete favourably in the digital mapping and information management markets. *CARIS* is in use in West Germany, The Netherlands, Australia and Egypt.

Universal Water Systems Inc.

575 Powell Street
Vancouver, British Columbia
Canada V7S 1X7

Telephone: (604) 255-5555
Contact: D.F. Somerville, Vice President and General Manager

Universal Water Systems Inc., established in 1976, manufactures and distributes Ultra Violet Sterilizers for the industrial market and Reverse Osmosis Desalination systems suitable for supply of good quality drinking water from salt water, brackish or contaminated water sources. The product range includes domestic ultra violet sterilizers, filtration systems, and reverse osmosis desalination units and systems. The food and beverage industry, fish processors, municipal water boards, hospital laboratories and breweries are among Universal's clients in Canada and the U.S.

Versatech Products Inc.

2479 Bellview Avenue
West Vancouver, British Columbia
Canada V7V 1E1

Telephone: (604) 922-5357
Facsimile: (604) 922-7745
Telex: 043-52848
Answerback: VCR
Contact: Leo Rimanic, Manager, Technical Sales

Versatech Products Inc. has supplied specialty, state-of-the-art oil spill containment and recovery equipment since 1968. It offers eight standard types of boom, handheld to ocean going skimmers, 5.5 to 11.5 m (18 to 37 ft.) *Sealander* landing crafts and a wide range of oil and chemical sorbents, pumps, tanks, and accessories. Versatech often designs and manufactures custom equipment to meet specific needs or conditions. Their products are distributed and sold worldwide to the oil and gas industries, port and harbour authorities, emergency response organizations for oil and chemical spills, shipyards and ship manufacturers, Coast Guards, Environmental Protection Agencies, pulp and paper industries, the utilities industry, fire fighting organizations and many other industries. Known for high quality and low price, Versatech's products are in use in every continent.

Vibron Limited

1720 Meyerside Drive
Mississauga, Ontario
Canada L5T 1A3

Telephone: (416) 670-4922
Facsimile: (416) 670-1698
Contact: V.L. Lewis, President

Vibron Limited, established in 1960, is a manufacturing and engineering company specializing in the control of noise and vibration for industry. Its Consulting Engineering Division is composed of professional engineers having expertise in noise and vibration analysis and control, acoustics and real-time systems including data acquisition and control system simulation and analysis. The manufacturing division manufactures a broad range of products for noise control in heating, ventilating and air conditioning systems. Products include mufflers, duct silencers, noise control enclosures and barriers and vibration isolation and control equipment. Vibron meets the noise and vibration control needs of industry in Canada and the U.S.

Volcano Inc.

4300, avenue Beaudry
Saint-Hyacinthe (Québec)
Canada J2S 8A5

Telephone: (514) 774-5326
Facsimile: (514) 774-3887
Telex: 05-830545
Contact: M. Claude Nantel, President, Commercial Division

Volcano Inc., established in 1912, is the parent company of The Volcano Group. Volcano designs, manufactures, installs and maintains high technology boiler systems and basic products for industrial and commercial incineration and energy conversion.

The company's products and services are available to numerous diverse industry sectors including pulp and paper, petrochemical, municipal waste treatment and water treatment. Their wood waste-fueled boilers are well known to the pulp and paper industry where cost of conversion from oil to wood waste is recovered in less than one year. Numerous municipalities have enjoyed the economical and ecological advantages of combining an incinerator with a boiler in refuse treatment plants.

Volumetric Limited

1175 Appleby Line
Burlington, Ontario
Canada L7L 5H9

Telephone: (416) 335-8944
Contact: J. Jorritsma, President

Volumetric Limited was incorporated in 1981 as a manufacturer of a patented flow meter—*The Volumeter*. The company is currently designing a flowmeter which can measure flow accurately in a pumping station that has variable speed pumps. Volumetric's flow meters for sewage pumping stations (*Volumeter and Puvaflo*) are more accurate and less expensive than conventional flow meters. The products are sold to municipalities and industries in Canada, the U.S. and western Europe.

Vulcain Alarme Inc.

3, rue Industrielle - C.P. 106
Delson (Québec)
Canada J0L 1G0

Telephone: (514) 632-2967
Contact: Clement Gervais, President

Since 1968, Vulcain Alarme Inc. has specialized in industrial and commercial detection systems for toxic and explosive gas. *The Polygas System—Model VA-102* features continuous detection and analysis of air quality, automatic controls for ventilation equipment, maximum reliability with fault detection, flexible configurations to serve a wide range of applications, two detection levels, LED status indicators and remote sensors.

W-E-R Engineering Ltd.

306, 2735 - 39th Avenue, N.E.
Calgary, Alberta
Canada T1Y 4T8

Telephone: (403) 291-1195
Facsimile: (403) 250-7165
Contact: Al McPhail, President

W-E-R Engineering Ltd. is a company of water resource consulting engineers, established in 1979. They provide professional engineering services in water resource, irrigation and drainage projects of all types, and have planned and designed water resources, irrigation and drainage projects in the Middle East as well as in Canada. The qualifications and experience of their professional and technical staff enables the company to provide services in project management, river basin planning, engineering feasibility studies, conceptual designs, final engineering designs, construction management, agricultural drainage and reclamation, agricultural soil classification, and coordination of environmental studies.

Wardrop Engineering Inc.

77 Main Street
Winnipeg, Manitoba
Canada R3C 3H1

Telephone: (204) 956-0980
Facsimile: (204) 957-5389
Telex: 07-57487
Contact: J.S. Paulsen, Vice
President, International
Division

Wardrop Engineering Inc. is a multi-discipline engineering company actively engaged in projects across Canada, the U.S. and in the developing countries. Wardrop transfers knowledge from the researcher to the workplace and applies advanced technology to the traditional fields of mechanical, electrical, chemical and civil engineering. Services in biomass, solar applications, nuclear safety, computer modelling, robotics, aerospace and space systems engineering are also provided.

Founded in 1955, Wardrop provides management and engineering services to government and a range of industries including aerospace and defence; heavy industries including nuclear, mining, steel, pulp and paper; the transportation sector; and industries such as foundries, manufacturers and food processors. Wardrop's engineering disciplines include solar energy, heat transfer, energy conservation, waste heat recovery, and spent fuel handling and storage (nuclear).

Washburn and Gillis Associates Ltd.

123 York Street
Fredericton, New Brunswick
Canada E3B 3N6

Telephone: (506) 458-1000
Facsimile: (506) 450-0829
Telex: 014-2281
Contact: G.F. Gillis, President

Washburn and Gillis Associates Ltd. was established in 1980 to provide consulting services to industry and government. Since its inception in 1980, the company has grown to a staff of 20 engineers and biologists with offices in Fredericton, New Brunswick and in North Sydney, Nova Scotia. The company has completed projects throughout Canada and in the U.S. The primary focus in the services offered by the company is environmental and engineering consulting. Services include the provision of environmental impact assessments, design of engineering solutions to environmental problems, and assistance in environmental planning of projects. The company has extensive experience in the provision of fisheries management plans, fish stock assessment programs, design of training programs and in formulation of fisheries and environmental policy.

Westland Resource Group Ltd.

1035-A Pandora Avenue
Victoria, British Columbia
Canada V8V 3P6

Telephone: (604) 592-8500
Contact: Wayne Briggs

Westland Resource Group Ltd. is an environmental and land use consulting firm, established in 1986 to provide a complete range of environmental, socioeconomic and management consultants to suit the requirements of various development and research projects. Westland is experienced in the synthesis analysis and presentation of biophysical and socioeconomic data and specializes in land resource inventory, environmental planning, and impact assessment studies. All senior consultants have at least 12 years' experience and are specialists in integrated resource inventory projects, impact assessment and environmental planning projects. Highly qualified, experienced staff are available to undertake consulting assignments in the fields of soils, terrain, forestry agriculture, water quality, hydrology, land reclamation, land use planning, oceanography, vegetation, wildlife biology and fisheries.

William R. Perrin Company Limited

432 Monarch Avenue
Ajax, Ontario
Canada L1S 2G7

Telephone: (416) 683-9400
Facsimile: (416) 427-2361
Telex: 06-981308
Answerback: PERRIN AJAX
Contact: D.J. Hutchinson,
President

William R. Perrin Company Limited, in business for over 100 years, manufactures liquid filtration equipment. Complete product design/engineering and manufacturing is carried out in Perrin's modern facilities in Ontario. Export accounts for 60 to 75 percent of all manufacturing output. The company offers three types of filtration/dewatering equipment. These are manual and fully mechanized plate type filter presses; continuous belt filter presses; and continuous screw dewatering presses. The plate type filter press is manufactured in plate sizes ranging from 30.5 cm square to 2 m square (12 to 79 in. sq.). Belt type filter presses are available in size ranges of 50 cm up to 3 m (20 to 188 in.) belt width. The screw press can be offered with screw sizes up to 78.75 cm (31 in.) in diameter. All Perrin products are marketed through exclusive representatives worldwide. Perrin equipment is used for dewatering sludges from industrial and municipal waste treatment plants and also for liquid filtration in various industrial processes. These include edible oil, sugar refining, petrochemical, pigments and dye stuffs, metal refining, ceramic and specialty chemicals.

Willowglen Systems Ltd.

4 Manning Close N.E.
Calgary, Alberta
Canada T2E 7N5

Telephone: (403) 272-1800
Facsimile: (403) 272-2114
Telex: 03-825630
Contact: Malcolm Milne, Vice
President

Willowglen Systems Ltd., established in 1974, has focussed its Supervisory Control And Data Acquisition (SCADA) Systems to many diverse industries. The company designs and manufactures SCADA Remote Terminal Units (RTUs) and Master Communication Controllers (MCCs) and provides software and project management for complete SCADA Systems. Willowglen's standard SCADA software package was developed for use on the full range of Digital Equipment Corporation (DEC) minicomputers and recently developed for the more advanced workstation computers. Remote supervisory and process control is Willowglen's primary business. Products include a low cost, single board programmable RTU; a CMOS, configurable and programmable RTU; intelligent I/O multiplexors linked by a high speed LAN, Sequence Of Events (SOE) Recorder, state-of-the-art master station hardware and software, integration, project management, test, and installation services.

Through its offices in Calgary, California, and Singapore, automation systems are supplied to the petroleum industry, water treatment/distribution and wastewater treatment industries, pipeline industry, distribution electrical transmission industries, and the telecommunication industry in the U.S. and Asia.

WMS Associates Ltd.

P.O. Box 1116
Fredericton, New Brunswick
Canada E3B 5C2

Telephone: (506) 458-8288
Facsimile: (506) 458-8461
Telex: 019-21745
Contact: V. Nowicki, President

WMS Associates Ltd. (WMS), offers a comprehensive range of planning, environmental and engineering services throughout Atlantic Canada and internationally. WMS was formed in 1978 and is affiliated with Jacques Whitford Group Ltd., which operates 11 offices in Atlantic Canada, Ontario and Quebec. The WMS team is comprised of environmental consultants, scientists and engineers with extensive experience in water resources management, hydrogeology, environmental and land use planning, waste management, pollution assessment and clean-up, environmental and socioeconomic impact assessment, hydrology, hydraulics and geotechnical engineering. WMS has recently expanded its capabilities to include market research, tourism and business planning. The company has conducted several water resources studies in the Caribbean, Swaziland and in Central America.

Wotherspoon Foundry Ltd.

148 Cross Avenue
Oakville, Ontario
Canada L6J 5A8

Telephone: (416) 845-2873
Facsimile: (416) 845-2902
Contact: R. Tomlin, Sales Manager

Wotherspoon Foundry Ltd., established in 1947, has over 300 designs of manhole frames and covers, and catch basin frames and grates to service the needs of municipalities. In addition to municipal castings such as valve bodies, pump housings and machine parts, the company produces a wide variety of custom castings for industrial needs. Its products are sold to municipalities and industries in Canada and the U.S.

Wright Engineering Limited

1444 Alberni Street
Vancouver, British Columbia
Canada V6G 2Z4

Telephone: (604) 684-9371
Facsimile: (604) 687-6130
Telex: 04-54367
Contact: J.M. Maycock, Manager, Marketing Services

Wright Engineering Limited, established in 1946, is a company of consulting engineers and architects offering design, engineering, architectural, financial evaluation and project management services to industry. In the industrial environmental field, Wright offers consulting engineering services for application to the environmental aspects of mining/industrial projects. It assists in the preparation of environmental impact assessments; provides engineering designs which reduce the impact of mining and processing on the environment; and provides project and construction management for its designs.

Wright serves the private and public sectors of the mining industry in more than 40 countries worldwide.

XXth Century Manufacturing Ltd.

2940 Olafson Avenue
Vancouver, British Columbia
Canada V6X 2R3

Telephone: (604) 270-6808
Facsimile: (604) 270-0895
Telex: 04-357547
Contact: Louis Szabo, President

XXth Century Manufacturing Ltd. was established in 1981 to design and manufacture water treatment equipment (ultraviolet, ozonation and reverse osmosis desalination systems) and to provide engineering and consulting services in fluid treatment systems relating to environmental pollution problems. It produces water purification and water distillation equipment for marine and industrial use, and provides water treatment services.

Zenon Environmental Inc.

845 Harrington Court
Burlington, Ontario
Canada L7N 3P3

Telephone: (416) 639-6320
Facsimile: (416) 639-1812
Telex: 061-8734
Contact: John A. Coburn, President

Zenon Environmental Inc., established in 1980, specializes in water and waste treatment related products and services, and serves the North American and Asian markets. Zenon is a world leader in water technology with special emphasis on specialized semi-permeable membranes and associated systems, water quality monitoring instrumentation, and the analysis of environmental trace constituents. Zenon's staff represents the single largest concentration of water quality scientists and engineers in the Canadian private sector.

The Water Systems Division produces products for the supply of ultra-pure water to the electronics, pharmaceutical and medical industries; a complete line of laboratory water supply systems; and on-site emergency water supply. Zenon's Waste Disposal Division provides environmental monitoring capability extending to all known types of contaminants including the ultra-trace level analysis of toxic organic compounds such as dioxins and PCBs; process development and on-site pilot plant work for difficult-to-treat, complex wastewaters; wastewater treatment equipment for wastewaters containing oils, organic solvents and heavy metals; and waste disposal services. All products are backed by trace monitoring, troubleshooting, and turnkey design and construction services.

Zeton Inc.

4129 Harvester Road
Burlington, Ontario
Canada L7L 5M3

Telephone: (416) 632-3123
Facsimile: (416) 632-0301
Telex: 061-8678
Answerback: ZETON INC BURL
Contact: David Beckman,
Marketing Manager

Since 1982, Zeton Inc. has been designing and manufacturing fully automated, modular systems for process research and small scale production. These systems are custom designed to the clients' specifications and have been built for applications such as heavy oil processing, polymerization, catalysis, electronic chemicals production, synthetic fuels, and environmental processing.

The company uses a modular design technique to build custom pilot plants which are composed of a number of standard, proven modules. The plants are skid mounted and range in control sophistication from manual to fully automated microcomputer based with data acquisition. Pilot plants built for environmental applications include a Pervaporation Pilot Plant and a Membrane Test Unit. Zeton offers a complete turnkey service including engineering design, procurement, manufacturing, testing and debugging, customer training, installation, complete documentation, and field service. The company's clients include research and development companies and organizations, chemical and petroleum companies and environmental consultants. Zeton currently exports to western Europe.

Zimmark Inc.

4380 South Service Road
Burlington, Ontario
Canada L7L 5Y6

Telephone: (416) 632-5410
Facsimile: (416) 632-5171
Contact: Lowell A. Wilson, President

Zimmark Inc. has automated the procedures for oil clarification and recovery. Zimmark has installed systems in every major rail yard in Canada and in rail yards in the U.S. and the Far East. Transit companies, marine/naval shipping, and countries producing electric power with diesel generators are considering the system. Significant cost savings are realized and toxic waste volumes are reduced.

The reclamation process recovers 90 percent of used lube oil for continued use and involves laundering the oil with the help of a chemical coagulant, heat and time. Dirt and metal contaminants are removed, then the recycled oil is blended with new oil at a ratio of one to four. The process retains additives that are still active. Zimmark will install, operate and manage the system, working closely with shop management personnel. The system produces detailed analysis and quality assurance reports.

Product and Service Categories Cross-Index

Environmental Equipment Manufacturing

Industrial/Municipal Systems Complete Systems and/or Major Components

(may include custom engineering design, installation and support services)

Potable and Waste Water Treatment Equipment/Systems

457575 Ontario Ltd.
Arlat Inc.
(The) Arthur S. Leitch Company Limited
BCA Industrial Controls Limited
C.M.S. Rotordisk Inc.
(La) Corporation Mabarex Inc.
Deep Shaft Technology Inc.
G.E.T. Industries Inc.
H. Fontaine Ltd.
(Les) Industries Fournier Inc.
Marsh Engineering Limited
Solarchem Enterprises Inc.
Sonitec Inc.
Trojan Technologies Inc.
Universal Water Systems Inc.
XXth Century Manufacturing Ltd.
Zenon Environmental Inc.
Zeton Inc.

Oil/Gas and Coolant Filtration Systems

3-L Filters Limited
Canco Filter Inc.
Cantech Environmental Systems Inc.
Farr Inc.
Felco Industries Ltd.
Zeton Inc.

Toxic/Hazardous Waste Treatment/Disposal/Recycling Equipment/Systems, incl. Nuclear

Arlat Inc.
Atomic Energy of Canada Limited
EBFLO Industries Inc.
Environomics Inc.
NUMET Engineering Ltd.
Solarchem Enterprises Inc.
Toxics Recovery Systems International Inc.
XXth Century Manufacturing Ltd.
Zeton Inc.

Oil Spill Containment Equipment/Systems

Canpolar Inc.
Hurum Marine Inc.
Morris International Trading Ltd.
Versatech Products Inc.

Air Pollution Control/Purification, Dust Collection/Filtration Equipment/Systems

3-L Filters Limited
Belfab Inc.
Canco Filter Inc.
Cantech Environmental Systems Inc.
Carter Day Industries (Canada) Ltd.
Circul-Aire Inc.
Farr Inc.
ICL Engineering Ltd.
J.P. Environmental Products Inc.
Joy Technologies Canada Inc.
Kraemer Tool and Manufacturing Co. Ltd.
Proenco Systems Limited
Rodrigue Metal Limitée
Solarchem Enterprises Inc.
Spiro Vibro Inc.
Temprite Industries Limited
Tykron Industries Ltd.

Water/Shoreline Pollution Clean-up/Control Equipment

EBFLO Industries Inc.
Erectoweld Co. Ltd.
Hurum Marine Inc.
Versatech Products Inc.

Noise Abatement/Vibration Control Equipment/Systems

J.P. Environmental Products Inc.
Spiro Vibro Inc.
Vibron Limited

Resource Reclamation/Recovery/Collection Equipment/Systems

Arlat Inc.
EBFLO Industries Inc.
Eco-Tec Limited
Environomics Inc.
Zimmark Inc.

Odor Control Equipment/Systems

Bigelow-Liptak of Canada Limited
Circul-Aire Inc.
ECOLO Odor Control Systems Inc.
Farr Inc.
Proenco Systems Limited

Solid and Liquid Waste Handling Equipment

(may include custom engineering design, installation and support services)

Incinerators (all types)

Bigelow-Liptak of Canada Limited
Bio-Char Inc.
Joy Technologies Canada Inc.
Proenco Systems Limited
Temprite Industries Limited
Trecan Combustion Limited
Volcano Inc.

Shredders

(Les) Industries Fournier Inc.
(Les) Industries Regenair Inc.
Shred-Tech Limited

Compactors, Balers and Banders (stationary)

Ajax Material Handling Limited
Automatic Compactors Limited
(Les) Industries Regenair Inc.
Tenco Machinery Ltd.

Transfer and Pushout, Roll-on/Roll-off Trailers

Acier Fabrex Inc.
Capital Disposal Equipment Inc.
Dempster Systems Ltd.
Labrie Equipment Ltd.

Liquid Waste Tank-Trailers

Chemvac Inc.
Cusco Fabricators Limited

Containers for Storage/Transport of Solid Hazardous Waste

Chemvac Inc.
ICL Engineering Ltd.
NUMET Engineering Ltd.

Refuse/Recycling Trucks, Vacuum Litter Collectors

Capital Disposal Equipment Inc.
Dempster Systems Ltd.
Innovac Inc.
Labrie Equipment Ltd.

Attachments to/Parts of Industrial/Municipal Equipment

(may include custom engineering design, installation and support services)

Pipes, Tubes, Hoses, Fittings made of:

plastic, vulcanized rubber

ABCO Plastics Limited
Canron Inc.
ICL Engineering Ltd.

cast iron, iron or steel

Canron Inc.
Fonderie Grand'Mère Ltée
Penticton Foundry Ltd.
Preso Industries Ltd.
Sidbec-Dosco Inc.
Wotherspoon Foundry Ltd.

copper

Preso Industries Ltd.

concrete

Canron Inc.

Ducting/Conduit
ABCO Plastics Limited
Belfab Inc.
Canron Inc.
Endur Systems Inc.
Spiro Vibro Inc.
Volcano Inc.

Castings and Steel Products
Fonderie Grand'Mère Ltée
Penticton Foundry Ltd.
Spiro Vibro Inc.

Pumps, Valves, Fittings
ABBA Parts Inc.
(The) Arthur S. Leitch Company Limited
Crane Canada Inc.
Dresser Canada, Inc.
Fonderie Grand'Mère Ltée
H. Fontaine Ltd.
Penticton Foundry Ltd.
Smart Turner Limited
Volcano Inc.

Meters, Testing Equipment
Markland Specialty Engineering Ltd.
RAB Dedesco Ltd.
Zenon Environmental Inc.

Filters, Filter Parts and Media
3-L Filters Limited
Canco Filter Inc.
Circul-Aire Inc.
Engineering Dynamics Ltd.
Filtration Textiles Inc.
Industrial Filter Fabrics Ltd.

Dust Collector Bags and Fabric
Belfab Inc.
Cantech Environmental Systems Inc.
Farr Inc.
Filtration Textiles Inc.
Industrial Filter Fabrics Ltd.
Rodrigue Metal Limitée
Tykron Industries Ltd.

Separators/Filters for Liquids
3-L Filters Limited
457575 Ontario Ltd.
BCA Industrial Controls Limited
Canco Filter Inc.
Cantech Environmental Systems Inc.
Filtration Textiles Inc.
Industrial Filter Fabrics Ltd.
William R. Perrin Company Limited

Oil/Water Sorbents
Bercan Environmental Resources Inc.
Hi-Point Industries Ltd.
R.B.H. Cybernetics (1970) Ltd.

De-scalers/De-mineralizers/Ion Exchangers
3-L Filters Limited
671135 Ontario Limited
(The) Arthur S. Leitch Company Limited
Glegg Water Conditioning, Inc.
Sonitec Inc.

Computer Equipment/Peripherals
Conspec Controls Ltd.
Industrial Measurements Ltd.
Lisle-Metrix Ltd.
Surfline Engineering Limited
Toxics Recovery Systems International Inc.

Bio-additives/Chemicals
Bercan Environmental Resources Inc.
Magnus Chemicals Limited

Blower Units
BLO-AER International Inc.

Instrumentation/Apparatus, Parts and Accessories

For measuring/checking pressure, flow, or level of liquids
457575 Ontario Ltd.
Analygas Systems Ltd.
ARJAY Engineering Ltd.
Atomic Energy of Canada Limited
Boundary Layer Wind Tunnel Laboratory
Conspec Controls Ltd.
Industrial Measurements Ltd.
Lisle-Metrix Ltd.
Preso Industries Ltd.
Seimac Limited
Solinst Canada Ltd.
Stedtnitz Maritime Technology Limited
Surfline Engineering Limited
Volumetric Limited

For measuring/checking temperature
ARJAY Engineering Ltd.
Conspec Controls Ltd.
Industrial Measurements Ltd.
Seimac Limited

For measuring/checking distance
Industrial Measurements Ltd.

For measuring/checking gases
Analygas Systems Ltd.
Bow Valley Resource Services Ltd.

For monitoring/detecting radiation
Atomic Energy of Canada Limited
Barringer Research Limited
Exploranium G.S. Limited
Scintrex Limited

For monitoring/detecting air quality
Analygas Systems Ltd.
(The) Armstrong Monitoring Corporation
Bow Valley Resource Services Ltd.
Conspec Controls Ltd.
MDS Health Group Ltd.
Scintrex Limited
Seimac Limited
Vulcain Alarme Inc.

Other measuring/checking instrumentation
Boundary Layer Wind Tunnel Laboratory
Lisle-Metrix Ltd.
Markland Specialty Engineering Ltd.
Solinst Canada Ltd.

For monitoring/detecting/analyzing water
(The) Armstrong Monitoring Corporation
Envirodata Ltd.
Guildline Instruments Ltd.

For monitoring/detecting geophysical change
Gregory Geoscience Limited

Other monitoring/detecting instrumentation
Boundary Layer Wind Tunnel Laboratory
Scintrex Limited
Trojan Technologies Inc.

For inspecting underground pipelines/tanks
Knopafex Ltd.

Environmental Services

Environmental Engineering

(includes construction/construction management; facility operation/management; soil/land/water pollution control/clean-up; water supply/drainage/irrigation; resource reclamation/recycling; energy conversion; odor control)

Major engineering assignments —all aspects of:

Air Pollution Control/Treatment/Purification

(The) Cambrian Engineering Company Limited
Concord Scientific Corporation
Daigle Consultants—Combustion Inc.
DESOM Engineered Systems Limited
Giffels Associates Limited
Gore & Storrie Limited
H.A. Simons Ltd.
Hardy BBT Limited
Hatch Associates Ltd.
Howe International Limited
Kilborn Limited
L.H. Schwindt & Co. Limited
Lavalin International Inc.
Marshall, Macklin, Monaghan Limited
Monenco Consultants Limited
Phillips Barratt Kaiser Engineering Ltd.
Pluritec Environnement Ltée
Rescan Environmental Services Ltd.
Roche Ltd.
RTM Engineering Ltd.
SENES Consultants Limited
Simcoe Engineering Group Limited
(The) SNC Group Inc.
Stanley Associates Engineering Ltd.

Water Pollution Control/Treatment/Purification

A.J. Poetker & Associates Ltd.
Acres International Limited
ADI International Inc.
Alan A. Smith, Inc.
Amenatech Inc.
Beak Consultants Limited
(The) Cambrian Engineering Company Limited
Cansult Group Limited
Daigle Consultants—Combustion Inc.
Delta Catalytic Corporation
Dessau International Ltd.
Giffels Associates Limited
Gore & Storrie Limited
H.A. Simons Ltd.
Hardy BBT Limited
Hatch Associates Ltd.
Howe International Limited
I.D. Engineering Canada Inc.
J.R. Cousin Consultants Ltd.
Kilborn Limited
H. Schwindt & Co. Limited
Lavalin International Inc.
Marshall, Macklin, Monaghan Limited
(The) McElhanney Group Ltd.
McNeely Engineering Limited
Monenco Consultants Limited
Morrow Recovery Systems Inc.
Phillips Barratt Kaiser Engineering Ltd.
Pluritec Environnement Ltée
Proctor & Redfern International Limited
R.E. Winter & Associates Ltd.
Reid Crowther Inc.
Resource Systems Management International Inc.
Rescan Environmental Services Ltd.
Roche Ltd.
RTM Engineering Ltd.
Sandwell Swan Wooster Inc.
Simcoe Engineering Group Limited
(The) SNC Group Inc.
Stanley Associates Engineering Ltd.
UNIES Ltd.
Washburn and Gillis Associates Ltd.

Solid Waste Disposal/Treatment

Amenatech Inc.
Cansult Group Limited
Comcor Waste Systems Ltd.
Delta Catalytic Corporation
Gartner Lee Limited
Giffels Associates Limited
Gore & Storrie Limited
H.A. Simons Ltd.
J.R. Cousin Consultants Ltd.
Kilborn Limited
L.H. Schwindt & Co. Limited
Lavalin International Inc.
Marshall, Macklin, Monaghan Limited
McNeely Engineering Limited
Monenco Consultants Limited
Phillips Barratt Kaiser Engineering Ltd.
Pluritec Environnement Ltée
Proctor & Redfern International Limited
Reid Crowther Inc.
Rescan Environmental Services Ltd.
Resource Integration Systems Ltd.
Roche Ltd.
Sandwell Swan Wooster Inc.
Simcoe Engineering Group Limited
(The) SNC Group Inc.
Stanley Associates Engineering Ltd.
Washburn and Gillis Associates Ltd.

Toxic/Hazardous Waste Disposal/Treatment (may incl. Nuclear)

Acres International Limited
Atomic Energy of Canada
Beak Consultants Limited
Deep Shaft Technology Inc.
Delta Catalytic Corporation
DF Dickens Associates Ltd.
Gartner Lee Limited
Giffels Associates Limited
Hatch Associates Ltd.
INTERA Technologies Ltd.
Kilborn Limited
L.H. Schwindt & Co. Limited
Lavalin International Inc.
Marshall, Macklin, Monaghan Limited
Monenco Consultants Limited
Morrison Hershfield Limited
NUMET Engineering Ltd.
Phillips Barratt Kaiser Engineering Ltd.
Pluritec Environnement Ltée
Proctor & Redfern International Limited
Reid Crowther Inc.
Rescan Environmental Services Ltd.
Roche Ltd.
RTM Engineering Ltd.
Sandwell Swan Wooster Inc.
SENES Consultants Limited
Shred-Tech Limited
Simcoe Engineering Group Limited
(The) SNC Group Inc.
Stanley Associates Engineering Ltd.

Acoustics/Noise Abatement/Vibration

Amenatech Inc.
(The) Cambrian Engineering Company Limited
DESOM Engineered Systems Limited
H.A. Simons Ltd.
Hatch Associates Ltd.
Kilborn Limited
Lavalin International Inc.
Marshall, Macklin, Monaghan Limited
Reid Crowther Inc.
Resource Systems Management International Inc.
Roche Ltd.
Sandwell Swan Wooster Inc.
SENES Consultants Limited
(The) SNC Group Inc.
Stanley Associates Engineering Ltd.

Environmental Consulting

(includes environmental impact/risk assessment studies; environmental standards/management; site analysis/land use planning studies; environmental audits; geophysical surveys; etc.)

A.J. Poetker & Associates Ltd.
Acres International Limited
Amenatech Inc.
Atomic Energy of Canada
Aviation Planning Services Ltd.
Beak Consultants Limited
Boundary Layer Wind Tunnel Laboratory
Bow Valley Resource Services Ltd.
Cansult Group Limited
CBR International Biotechnologies Corp
Comcor Waste Systems Ltd.
Concord Scientific Corporation

Conspec Controls Ltd.
CSSA Environmental Consultants Ltd.
Daigle Consultants—Combustion Inc.
Delta Catalytic Corporation
DESOM Engineered Systems Limited
Dessau International Ltd/Ltée
DF Dickins Associates Ltd.
E.V.S. Consultants Ltd.
Gartner Lee Limited
Geophysics GPR International Inc.
Giffels Associates Limited
Gregory Geoscience Limited
H.A. Simons Ltd.
Hardy BBT Limited
Hatch Associates Ltd.
Hatfield Consultants Ltd.
I.D. Engineering Canada Inc.
INTERA Technologies Ltd.
J.R. Cousin Consultants Ltd.
Kilborn Limited
Lavalin International Inc.
Marshall, Macklin, Monaghan Limited
Monenco Consultants Limited
Morrow Recovery Systems Inc.
Norecol Environmental Consultants Ltd.
North/South Consultants Inc.
Novacorp International Consulting Inc.
(The) OceanChemGroup Limited
Peto MacCallum Ltd.
Phillips Barratt Kaiser Engineering Ltd.
Pluritec Environnement Ltée
Pollutech Limited
Proctor & Redfern International Limited
R.E. Winter & Associates Ltd.
Reid Crowther Inc.
Rescan Environmental Services Ltd.
Resource Integration Systems Ltd.
Resource Systems Management International Inc.
Rowan Williams Davies & Irwin Inc.
RTM Engineering Ltd.
Roche Ltd.
Seakem Oceanography Limited
SENES Consultants Limited
Simcoe Engineering Group Limited
(The) SNC Group Inc.
SRD Sustainable Resource Development Inc.
Stanley Associates Engineering Ltd.
UNIES Ltd.
Washburn and Gillis Associates Ltd.

Other Environmental Systems/Services

Toxic/Hazardous Waste Handling/Disposal (may incl. Nuclear)
Atomic Energy of Canada Limited
INTERA Technologies Ltd.
Marshall, Macklin, Monaghan Limited
NUMET Engineering Ltd.
(The) OceanChemGroup Limited

Toxic/Hazardous Spill Containment/Response Service and/or Site Clean-up Service
Acres International Limited
Beak Consultants Limited
Bow Valley Resource Services Ltd.
Canpolar Inc.
CanTest Ltd.
CBR International Biotechnologies Corp
Chemvac Inc.
CSSA Environmental Consultants Ltd.
DF Dickins Associates Ltd.
Gartner Lee Limited
Hardy BBT Limited
Hurum Marine Inc.
Morrow Recovery Systems Inc.
Norecol Environmental Consultants Ltd.
Novacorp International Consulting Inc.
(The) OceanChemGroup Limited
Pollutech Limited

Air/Water/Soil Sampling and Analysis Service
Acres International Limited
ADI International Inc.
Amenatech Inc.
Barringer Research Limited
Beak Consultants Limited
CanTest Ltd.
CBR International Biotechnologies Corp
Circul-Aire Inc.
Concord Scientific Corporation
CSSA Environmental Consultants Ltd.
E.V.S. Consultants Ltd.
Envirodata Ltd.
Gartner Lee Limited
INTERA Technologies Ltd.
Marshall, Macklin, Monaghan Limited
Morrison Hershfield Limited
Morrow Recovery Systems Inc.
Norecol Environmental Consultants Ltd.
(The) OceanChemGroup Limited
Peto MacCallum Ltd.
Pluritec Environnement Ltée
Pollutech Limited
Rescan Environmental Services Ltd.
Roche Ltd.
Seakem Oceanography Limited
SENES Consultants Limited
Washburn and Gillis Associates Ltd.

Noise/Vibration Monitoring/Measuring Service
Boundary Layer Wind Tunnel Laboratory
Geophysics GPR International Inc.
Hatch Associates Ltd.
J.P. Environmental Products Inc.
Marshall, Macklin, Monaghan Limited
Norecol Environmental Consultants Ltd.
Resource Systems Management International Inc.
Rowan Williams Davies & Irwin Inc.
SENES Consultants Limited
Vibron Limited

Emission Monitoring Service
(The) Armstrong Monitoring Corporation
Barringer Research Limited
Conspec Controls Ltd.
CSSA Environmental Consultants Ltd.
Exploranium G.S. Limited
Hatch Associates Ltd.
Marshall, Macklin, Monaghan Limited
Pollutech Limited
Rescan Environmental Services Ltd.
Rowan Williams Davies & Irwin Inc.
Seakem Oceanography Limited
Surfline Engineering Limited

Resource Reclamation/Recycling Service
Hevmet Recovery Ltd.
Zimmark Inc.

Remote Sensing/Mapping Systems and Services (may incl. aerial photo service)
Amenatech Inc.
Array Systems Computing, Inc.
Canpolar Inc.
CSSA Environmental Consultants Ltd.
Dipix Technologies Inc
DF Dickins Associates Ltd.
Gartner Lee Limited
Geophysics GPR International Inc.
GeoVision Corporation
Gregory Geoscience Limited
INTERA Technologies Ltd.
Kenting Earth Sciences International Corp.
Marshall, Macklin, Monaghan Limited
(The) McElhanney Group Ltd.
Norecol Environmental Consultants Ltd.
Novacorp International Consulting Inc.
Nucor Computing Resources Inc.
Roche Ltd.
Seakem Oceanography Limited
Terra Surveys Limited
UNIES Ltd.

Process Control/Data Acquisition Systems and Services (incl. customization, installation and support)
Alan A. Smith, Inc.
Array Systems Computing, Inc.
ASW Computer Systems Ltd.
Boundary Layer Wind Tunnel Laboratory
(The) Cambrian Engineering Company Limited
Canpolar Inc.
Concord Scientific Corporation
Conspec Controls Ltd.
CSSA Environmental Consultants Ltd.
ECS—Power Systems Inc.
Gartner Lee Limited
H.A. Simons Ltd.
Hatch Associates Ltd.
Howe International Limited
Industrial Measurements Ltd.
J.R. Cousin Consultants Ltd.

MacDonald Dettwiler and Associates Ltd.
Marshall, Macklin, Monaghan Limited
Monenco Consultants Limited
Nucor Computing Resources Inc.
Proctor & Redfern International Limited
Resource Systems Management International Inc.
Roche Ltd.
Seimac Limited
Simcoe Engineering Group Limited
Surfline Engineering Limited
Terra Surveys Limited
Toxics Recovery Systems International Inc.
Universal Systems Ltd.
Zeton Inc.

Data Analysis Systems and Services

ADI International Inc.
Alan A. Smith, Inc.
Array Systems Computing, Inc.
Beak Consultants Limited
Boundary Layer Wind Tunnel Laboratory
CBR International Biotechnologies Corp
Concord Scientific Corporation
CSSA Environmental Consultants Ltd.
E.V.S. Consultants Ltd.
H.A. Simons Ltd.
Hardy BBT Limited
Hatch Associates Ltd.
Hatfield Consultants Ltd.
Marshall, Macklin, Monaghan Limited
Monenco Consultants Limited
Morrow Recovery Systems Inc.
Nucor Computing Resources Inc.
(The) OceanChemGroup Limited
Pollutech Limited
Proctor & Redfern International Limited
Resource Systems Management International Inc.
Roche Ltd.
Seakem Oceanography Limited
Seimac Limited
SENES Consultants Limited
Simcoe Engineering Group Limited
Stanley Associates Engineering Ltd.
TYDAC Technologies Inc.
Washburn and Gillis Associates Ltd.

Geographic, Geophysical and/or Sensing/Mapping Systems and Services

Array Systems Computing, Inc.
Canpolar Inc.
CSSA Environmental Consultants Ltd.
DF Dickins Associates Ltd.
Dipix Technologies Inc.
E.V.S. Consultants Ltd.
Geophysics GPR International Inc.
GeoVision Corporation
Gregory Geoscience Limited
INTERA Technologies Ltd.
Kenting Earth Sciences International Corp.
MacDonald Dettwiler and Associates Ltd.
Marshall, Macklin, Monaghan Limited
(The) McElhanney Group Ltd.
Morrow Recovery Systems Inc.
Nucor Computing Resources Inc.
Seakem Oceanography Limited
SENES Consultants Limited
Stanley Associates Engineering Ltd.
Terra Surveys Limited
TYDAC Technologies Inc.
Universal Systems Ltd.